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Qy 1 agggngucggggågg 15
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|Db 14 AGGGGTCGGGGÅGG 28
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Gaps

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US-08-424-268-7

US-08-424-268-7

Sequence 7, Application US/08424268

Patent No. 5821118

RAPPLICANT: OBJOURNATION:
APPLICANT: Diehl, Ronald E
APPLICANT: OBJOURNES: 22

CORRESSORDER OF SEQUENCES: 22

CORRESSORDER APPLICANT ON: Transferase

NUMBER OF SEQUENCES: 22

CORRESSORDER APPLICANT NAME OF SEQUENCES: 22

CORRESSORDER APPLICANT ON TRANSFERSE: ADDRESSE: Mérck & CO., Inc.

STREET: Po. Do Box 2000

CITY: Rahway Jersey

COMPUTER RADABLE FORM:
MEDIUM TYPE: Ploppy disk
MEDIUM TYPE: Ploppy disk
COMPUTER RADABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER RADABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER RADABLE SYSTEM SYSTEM 7.5.3

SOFTWARE MACCOSTET WORD 5.1

CURRENT APPLICATION DATA:
APPLICATION WOMBER: US/08/424,268

FILING DATE: 4/24/95

CLASSIFICANION WOMBER: 35.397

REDEFRENCE DOCKET NUMBER: 35.997

REDEFRENCE DOCKET NUMBER: 35.997

REDEFRENCE DOCKET NUMBER: 35.997

REDEFRENCE DOCKET NUMBER: 35.997

REDEFRENCE CHARACTERISICS:
LENGTH: 1140 base pairs

TYPE: Nucleic acid

STRANDEDWESS: single
TOPOLOGY: linear
MULECULE TYPE: DDNA

HYPOTHETICAL: NO

ONE 424-268-7

OUS-08-424-268-7

OUS-08-424-268-7

OUS-08-424-268-7

OUS-08-424-268-7

OUSTANDED MSS. SCOTE 14; DB 1; Length 1140; Best Local Similarity 86-78; Pred. No. 1.6e+02;
Matches 13; Copiservative 1; Mismatches 1; Indels

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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.

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Minimum DB :
Maximum DB :
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Maximum Match 100%
Listing first 45 s
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
                                              nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             of hits satisfying chosen parameters:
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length: 2000000000
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1: /cgn2_6/ptodata/1
2: /cgn2_6/ptodata/1
3: /cgn2_6/ptodata/1
4: /cgn2_6/ptodata/1
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5: /cgn2_6/ptodata/1
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 /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
/cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata/1/ina/backfiles1.seq:*
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US-08-424-268-7
PCT-US93-10442-7
US-07-053-169A-6
US-08-429-964-6
US-08-476-062A-41
PCT-US93-08062-6
US-08-476-062A-41
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US-09-07-663-11
US-08-402-282-3
US-08-402-282-3
US-08-402-066-3
US-08-402-066-3
US-08-943-731-1
US-08-943-731-1
US-08-943-731-3
US-08-4171-389-186
US-08-171-389-186
US-08-475-228A-186
US-08-482-080A-186
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46.335 Million cell updates/sec
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Local Similarity nes | 13; Conserv

Conservative

87.5%;

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Length 1140;

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Gaps

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PCT-US93-12388-186
US-08-395-800A-7
US-08-798-354-1
US-09-110-937-1
US-09-232-857-1
US-08-716-351A-1
US-08-716-351A-1
US-08-716-351A-3
US-08-716-351A-3
US-08-716-351A-3
US-08-716-351A-6
US-09-212-771-45
US-08-280-041-6
                                          Sequence
                      Sequence
                   1, Appli
2, Appli
6, Appli
1, 
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; Sequence 7, Application
; Patent No. 5821118
; GENERAL INFORMATION:
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US-08-424-268-7
                                                                                                                                                                                                                        APPLICATION NUMBER: US/08/424,
FILING DATE: 4/24/95
CLASSIFICATION: 435
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Muthard, David A
REGISTRATION NUMBER: 35/297
REFERENCE/DOCKET NUMBER: 1885
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3903
TELEPHONE: (908)594-4720
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1140 base pairs
TELECTH. 1140 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Power Mac
ODERATING SYSTEM: System 7.5.3
SOFTWARE: Microsoft Word 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Omer, Charles A
APPLICANT: Diehl, Ronald E
APPLICANT: Gibbs, Jackson B
APPLICANT: Kohl, Nancy E
TITLE OF INVENTION: Assay for Inhibitors
TITLE OF INVENTION: Transferase
NUMBER OF SEQUENCES: 22
                                                                                                                            TYPE: .....STRÁNDEDNESS: sing
STRÁNDEDNESS: sing
TOPÓLOGY: linear
MOLECÚLE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: P.O.Box 2000
CITY: Rahway
STATE: New Jersey
COUNTRY: United States o
ZIP: 07065-0907
                                                                                                              HYPOTHETICAL:
ANTI-SENSE: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRÉSSEE: Merck & Co., STREET: P.O.Box 2000
                                                                                                                                                                                                          nucleic acid
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Score 14; DB 1;
Pred. No. 1.6e+0;
1; Mismatches
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Sequence 6, Application US/07863169A
Patent No. 5420245
GENERAL INFORMATION:
APPLICANT: Brown, Michael S.
APPLICANT: Goldstein, Joseph L.
APPLICANT: Reiss, Yuval
TITLE OF INVENTION: Tetrapeptide-B.
                                                                                                                                    RESULT 3
US-07-863-169A-6
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Best Local Similarity 86.7
Matches 13; Conservative
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PCT-US93-10442-7
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/968,782
FILING DATE: 10/30/92
ATTORNEY/AGENT INFORMATION:
NAME: MULDARG, David A
NAME: MULDARG, David A
1885
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: (908) 594-4720
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 35,297
REFERENCE/DOCKET NUMBER: 18/
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Assay for Inhibitors of Farnesyl-Protein TITLE OF INVENTION: Transferase NUMBER OF SEQUENCES: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                      14 AGGGGGTCGGGGAGG 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Diehl, Ronald E
APPLICANT: Gibbs, Jackson B
APPLICANT: Kohl, Nancy E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                                                                                                                                                                           1 agggngucggggagg 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: United States of America ZIP: 07065-0907
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Merck & Co., Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14 AGGGGGTCGGGGAGG 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                P.O.Box 2000
                                                                                                                                                                                                                                                                                                                                                                           ĕ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Omer, Charles A
   Tetrapeptide-Based Inhibitors of Farnesyl
Transferase
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86.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCT/US93/10442
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                                                                                                                                                                                                                                                                                  Score 14; DB 5;
Pred. No. 1.6e+02;
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US-08-429-964-6
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                                                                                                                                                                                                                                           Patent No. 5962243
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL SECOND, MICHAEL S.
APPLICANT: GOLDSTEIN, JOSEPH
APPLICANT: REISS, YUVAL
APPLICANT: JAMES, GUY L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Parker, David L.

REGISTRATION NUMBER: 32,165

REFERENCE/DOCKET NUMBER: UTSD

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEPAX: (713) 789-2679

TELEPAX: (713) 789-2679

TELEPAX: 79.0924

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
LENGTH: 1665
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 6, Application US/08429964 Patent No. 5962243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/822,011
FILING DATE: 19-JAN-1992
CLASSIFICATION: 530
APPLICATION NUMBER: US 07/937,893
FILING DATE: 18-APR-1991
CLASSIFICATION: 530
APPLICATION NUMBER: US 615,715
FILING DATE: 20-NOV-1990
CLASSIFICATION: 530
APPLICATION NUMBER: US 510,706
FILING DATE: 18-APR-1990
CLASSIFICATION: 530
APPLICATION NUMBER: US 510,706
FILING DATE: 18-APR-1990
CLASSIFICATION: 530
APPLICATION: 530
A
                                                                                                 CORRESPONDENCE ADDRESS:
                                                                                                                TITLE OF INVENTION: METHODS FOR THE IDENTIFICATION OF FARNESYL TITLE OF INVENTION: TRANSFERASE INHIBITORS
NUMBER OF SEQUENCES: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                          ADDRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14 AGGGGGTCGGGGAGG 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE: 03-AP
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HOUSTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       77210
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                                                                                                                                                                                                                                        REISS, YUVAL
JAMES, GUY L.
                                                                                                                                                                                                                                                                                                           GOLDSTEIN, JOSEPH L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Texas
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03-APR-1992
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86.7%;
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Pred. No. 1.5e
1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 1664;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0,
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US-07-935-087-6
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                                                                                                                                                                                                                                              Sequence 6, Application Patent No. 6083917 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:432/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEPHONE: (713) 789-2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 08/021,625
FILING DATE: 16-FEB-993
CLASSIFICATION: 435
APPLICATION NUMBER: US 07/822,011
FILING DATE: ABANDONED
CLASSIFICATION: 435
APPLICATION NUMBER: PCT/US/91/02650
FILING DATE: 18-APR-1991
CLASSIFICATION NUMBER: US 07/615,715
APPLICATION NUMBER: US 07/615,715
FILING DATE: 435
APPLICATION NUMBER: US 07/615,715
FILING DATE: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
APPLICATION NUMBER: US 07/615,715
FILING DATE: 435
APPLICATION NUMBER: US 07/615,715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ery Match
et Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/01
FILING DATE: 27-APR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                      TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TITLE OF INVENTION: THE IDENTIFICATION, TITLE OF INVENTION: CHARACTERIZATION, TITLE OF INVENTION: AND INHIBITION OF FARNESYL TITLE OF INVENTION: PROTEIN TRANSFERASE NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 1664 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                       CORRESPONDENCE ADDRESS
                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                             PPLICANT:
                 ADDRESSEE: MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U. 77210
                                                                                                                                                                                                                                                                                                                                                                                   14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 1664 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: FILING DATE: 18-AP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               13;
HOUSTON
                                                                                                                                                                                                                                                                                     Application US/07935087
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                                                                                                                                                                                             REISS, YUVAL
                                                                                                                                                                                                          BROWN, MICHAEL S. GOLDSTEIN, JOSEPH L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                   ARNOLD, WHITE & DURKEE O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OMBER: US 07/510,706
18-APR-1990 (ABANDONED)
N: 435
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86.7%;
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    Mismatches

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Pred. No. 1
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1.5e+02;
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Best Local Sim
Matches 13;
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; TOPOLOGY: linear US-07-935-087-6
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                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK/ASKII
MEDIUM TYPE: FLOPPY DISK/ASKII
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08062
FILING DATE: AUGUST 24, 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: (
SEQUENCE CHARACTERISTICS:
LENGTH: 1664 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIPICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: UTSD
REFERENCE/DOCKET NUMBER: UTSD
TELECOMMUNICATION INFORMATION:
TELECHONE: 512-320-7200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/935,087
FILING DATE: 19920824
                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS: BROWN, MICHAEL:
SEQUENCE CHARACTERISTICS: GOLDSTEIN, JOSE!
SEQUENCE CHARACTERISTICS: REISS, YUVAL
SEQUENCE CHARACTERISTICS: MARSTERS, JR.,
ADDRESSEE: METHODS AND COMPOSITIONS FOR
ADDRESSEE: THE IDENTIFICATION,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
                                                                                                                                                                                                                      STATE: LEADING COUNTRY: UNI
                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: FARNESYLTRANSFERASE NUMBER OF SEQUENCES: 71
                                                                                                                                                                                                                                                                   ADÓRESSEE: ARNOLD, WHITE & DURKEE STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14 AGGGGGTCGGGGAGG 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 512-474-7577
                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          agggngucggggagg 15
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                                                                                                                                                                                                                                                  UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                      CHARACTERIZATION AND
                                                                                                                                                                                                                                                                                                                                                                                                                      INHIBITION OF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       87.5%;
07/935,087
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GOLDSTEIN, JOSEPH L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         UTSD:269/PAR
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Pred. No. 1.5e+02;
1; Mismatches 1
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DB 2; 1.5e+02;

Length 2291;

0;

Gaps

0;

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US-08-476-062A-53/c
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEPAX: 512-44-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1664 base pairs
TYPE: nucleic acid
STANUDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 53, Application US/08476062A Patent No. 5877275
TELEPHONE: 617/542-8906
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 53
SEQUENCE CHARACTERISTICS:
LENGTH: 2291 base pairs
                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: EASTED for Windows95
SOFTWARE: EASTED for Windows95
CURRENT APPLICATION DATA:
APPLICATION UNMER: US/08/476,062A
FILING DATE: 07-JUN-1995
PRIOR APPLICATION UNMER: 08/216,081
APPLICATION NUMER: 07/637,830
APPLICATION NUMBER: 07/637,830
APPLICATION NUMBER: 07/539,842
FILING DATE: 04-JAN-1991
APPLICATION NUMBER: 07/212,573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 87.5%;
Best Local Similarity 86.7%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Arnaout, M. Amin
TITLE OF INVENTION: CONTROLLING CELLULAR IMMUNE/INFLAMMATORY
TITLE OF INVENTION: RESPONSES WITH BETA2 INTEGRINS
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
                                                                                                                          NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REGERRACE/DOCKET NUMBER: 007
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
NAME: UNKNOW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 agggngucggggagg 15
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                                                       53:
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Pred. No. 1.5e+02;
1; Mismatches 1
                                                                                                                                                                                00786/068003
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                                                                                                                                US-08-476-062A-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-476-062A-41/c
  Query Match 87.5%;
Best Local Similarity 86.7%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 41, Application US/08476062A Patent No. 5877275
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Best Local Similarity
Matches 13; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/476.06:

PILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/216.081
FILING DATE: 21-MAR-1994
APPLICATION NUMBER: 07/637,830
FILING DATE: 04-JAN-1991
APPLICATION NUMBER: 07/539,842
FILING DATE: 18-JUN-1990
APPLICATION NUMBER: 07/212,573
FILING DATE: 38-JUN-1988
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REGISTRATION NUMBER: 00786/00
TELEPHONE: 617/542-8906
TELEPHONE: 617/542-8906
TELEPHONE: 617/542-8906
                                                                                                                                                                                                                                                                                             TELEX: 200154
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 2310 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 agggngucggggagg 15
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1109 AGGGTGTCGGGGAGG 1095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                         MOLECULE TYPE: CDNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: CONTROLLING CELTITLE OF INVENTION: RESPONSES WITH NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 225 F
CITY: Boston
STATE: MA
                                                                                                                                                 NAME/KEY: Coding Sequence LOCATION: 1...2307
                                                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: US
ZIP: 02110-2804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Fish & MICHALLOC
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                   ESS: single
linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US/08/476,062A
     1; Mismatches
                           Score 14; DB 2;
Pred. No. 1.5e+02;
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Pred. No.
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1; Indels Length 2310

0;

Gaps

dg Qy

1133 AGGGTGTCGGGGAGG 1119

agggngucgggggagg

15

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US-08-549-846-3/c

Sequence 3, Application US/08549846

; Patent No. 6083751

; Patent No. 6083751
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PCT-US96-01314-41/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 2310 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 41, Application PC/TUS9601314
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: M. Amin Arnaout
TITLE OF INVENTION: METHODS FOR IDENTIFYING INTEGRIN
TITLE OF INVENTION: ANTAGONISTS
NUMBER OF SEQUENCES: 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 87.1
Best Local Similarity 86.7
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: 1.8m Es/2 Model 50% or 555X

OMERATING SYSTEM: MS-DOS (Version 5.0)

SOFTWARE: WORDER fect (Version 5.1)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/01314

FILING DATE: 30-JAN-95

FILING DATE: 30-JAN-95

FILING DATE: 30-JAN-95

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 29.066

REGISTRATION NUMBER: 29.066

REGISTRATION NUMBER: 29.066

REGISTRATION NUMBER: 30-784

TELEPHONE: (617) 542-8906

TELEPAX: (617) 542-8906
                                                                                                                                     GENERAL INFORMATION:
APPLICANT: FELDHAUS, ANDREW L.
APPLICANT: JONES, LORI A.
APPLICANT: JONES, LORI A.
TITLE OF INVENTION: CHIMERIC RECEPTORS FOR THE GENERATION OF
TITLE OF INVENTION: SELECTIVITY-ACTIVATABLE T(h)-INDEPENDENT CYTOTOXIC T CELLS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 42-
STREET: 48-
CITY: Boston
CITY: Boston
STRE: Massachusetts
COUNTRY: U.S.A.
"TP: 02110-2804
"TP: 02110-2804
"TP: 0710-2804
"TP: 0710-2804
"TP: 0710-2804
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON 6 FOERSTER
STRET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                         1133 AGGGTGTCGGGGAGG 1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
S96-01314-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                       1 agggngucggggagg 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE: Fish & Richardson P.C. STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    87.5%;
86.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14; DB 5;
Pred. No. 1.5e+0
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 2310;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-752 760A-1/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                В
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COUNTRY: USA
ZIP: |94304-1018

COMPUTER READABLE FORM:

MEDIDW TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION NOATA:
APPLICATION NUMBER: US/08/549,846
FILING DATE: 01-NOV-1995
FILING DATE: 01-NOV-1995
APPLICATION NUMBER: 37,612
REFERENCE/DOCKET NUMBER: 22627-20013.01
FELECHMUNICATION: 17-EER
REGISTRATION NUMBER: 22627-20013.01
TELEPAN: (415) 81-5600
TELEPAN: (415) 844-0792
TELEX: 706141 MRSNEOERS SFO
INFORMATION FOR SED ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2405 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 86.7
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence 1, Application US/08752760A Patent No. 5877011
COMPUTER: IBM Compatible
ODBERATING SYSTEM: DOS
OPERATING SYSTEM: DOS
OSOFWARE: FASTSEO VETSION 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,760A
EILING DATE: 20-NOV-1996
CLASSIFICATION WIMBER:
FRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Selde, Rochelle K
REGISTRATION NUMBER: 32,300
REGISTRATION NUMBER: 33,300
REFERENCE/DOCKET NUMBER: A31385
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212,705-5000
                                                                                                                                                                                                                                                                                                                                                             STREET: 30 ROCKEFELLER P
CITY: New York
STATE: NY
COUNTRY: U.S.A.
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1217 AGGGTGTCGGGGAGG 1203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Baker & Botts, L.L.P.
STREET: 30 ROCKEFELIET Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Armentano, Donna
APPLICANT: Gregory, Richard J.
APPLICANT: Smith, Alaa E
APPLICANT: Smith, Alaa E
TITLE OF INVENTION: CHIMERIC ADENOVIRAL VECTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 agggngucggggagg 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 2405 base pairs TYPE: nucleic acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 14; DB 3; Le
Pred. No. 1.5e+02;
1; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 2405;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
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Gaps

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CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: KELBER, STEVEN B.
REGISTRATION NUMBER: 30,073
REFERENCE/DOCKET NUMBER: 2343-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAN: 103-413-3200
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1301 base pairs
TYPE: nucleic scid
STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-641-314C-1
                                                                                                                                                                                                                                                                                                                                                                       STALE.

STALE.

COUNTRY: USA

ZP: 2202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC COMPACTIBLE

ODERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/641,314C

TYG DATE: 30-APR-1996

800

TYN: BOTTON: 800
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US-08-641-314C-1/c
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US-08-752-760A-1
                                                                                      Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 87.5%;
Best Local Similarity 86.7%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX:
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE SEGUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      30229 AGGGGGTCGGGGAGG 30215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: LUTHE, DAWN S.
APPLICANT: WILLIAMS, W. P.
APPLICANT: BINGHLA, JTANG
APPLICANT: BINGHLA, JTANG
APPLICANT: PECHAN, TIBOR
TITLE OF INVENTION: DAWN MOLECULE ENCODING A 33 KD CYSTEINE
TITLE OF INVENTION: PROTEINASE AND ITS USE IN TRANSFORMING PLANTS TO PROVIDE
TITLE OF INVENTION: INSECT RESISTANCE
NUMBER OF SEQUENCES: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           uence 1, Application US/08641314C Port No. 5977440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS
362 ATGGCGTCGGGGAGGT 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: OBLON. SPIVAK, MCCLELLAND, MAIER & NEUSTADT, ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
                            1 agggngucggggaggu 16
                                                                   Local Similarity
es 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 agggngucggggagg 15
                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
                                                                                    83.8%;
75.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 14; DB 2; Length 350
Pred. No. 1.2e+02;
1; Mismatches 1; Indels
                                                                   ?:
                                                                                                                                                                                                                                                                                                                                                           2343-045-27
                                                                                Score 13.4; DB 2;
Pred. No. 2.9e+02;
                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 35081;
                                                                                                    Length 1301;
                                                                   Indels
                                                                   0;
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                                                                   Gaps
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                                                                   0;
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; TOPOLOGY: linear; immediate Source; LIBRARY: 3086794; CLONE: HEADNOTO3 US-08-967-364-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-087-364-6/c
(S-08-967-364-6/c
; Sequence 6, Application US/08967364
; Patent No. 5989859
; GENERAL INFORMATION:
                                                                                                                                                                                     US-09-368-408-6/c
US-09-368-408-6/c
; Sequence 6, Application US/09368408
; Patent No. 6071703
                                                                                                                                                                                                                                                                                                                  ₽
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTY: USA
COUNTY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDLUM TYPE: Diskette
COMPUTER: LIM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTEM: DOS
SOFTWARE: FASTEM: US/08/967,364
FILING DATE: NO. 5989859ember 7, 1997
RIOR APPLICATION DATA:
APPLICATION UNMBER: US/08/967,364
FILING DATE: NO. 5989859ember 7, 1997
PRIOR APPLICATION DATA:
APPLICATION UNMBER: PF-111NG DATE:
ATTORNEY/AGENT INFORMATION:
NAME: CETTONE, MICHAEL C.
REGISTRATION NUMBER: 99,132
REFERENCE/DOCKET NUMBER: 9F-0417 US
TELEPHONE: 650-855-0555
                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: 650-845-4166 INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Lal, Preeti
APPLICANT: Shah, Purvi
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: VESICLE TRAFFICKING PROTEINS
NUMBER OF SEQUENCES: 9
NUMBER OF SEQUENCES: 9
                APPLICANT: Bandman, Olga
APPLICANT: Lal, Preeti
APPLICANT: Guegler, Karl J.
APPLICANT: Shah, Purvi
APPLICANT: Shah, Purvi
Corley, Neil C.
TITLE OF INVENTION: VESICLE TRAFFICKING PROTEINS
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals,
STREET: 3174 Porter Dr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 1932 base pair
TYPE: nucleic acid
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                759 AGGGTGTAGGGGAGGT 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 1932 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 3174 POI
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                        1 agggngucggggaggu 16
{||| |: ||||}|:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  650-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                     75.0%;
                                                                                                                                                                                                                                                                                                                                                                                               2;
                                                                                                                                                                                                                                                                                                                                                                                                  Score 13.4; DB 2;
Pred. No. 2.8e+02;
2; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 1932;
                                                                                                                                                                                                                                                                                                                                                                                                  0
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TOPOLOGY: linear; IMMEDIATE SOURCE: 11BRARY: 3086794; CLONE: HEAONOTO3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: INM CONDITION CONCERNING PRATING SYSTEM: DOS SOPEMATING SYSTEM: DOS SOPEMARE: EASTENG for Windows Version 2.0 CURRENT APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: PRIOR APPLICATION DATA: PRIOR APPLICATION DATA: PAPLICATION DATA: DATA: PAPLICATION DATA: DATA: PAPLICATION DATA: DATA: PAPLICATION DATA: DATA
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/555,669

FILING DATE: 13-NOV-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Halluin, Albert P.

REGISTRATION NUMBER: 25,227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 83.1
Best Local Similarity 75.1
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   squence 11, Application US/08555669

tent No. 5773248

ienerAL INFORMATION:
   APPLICANT: Brewton, Richard G.
   APPLICANT: Mayne, Richard G.
   APPLICANT: Mayne, Richard
   TITLE OF INVENTION: TYPE IX COLLAGEN AND FRAGMENTS THEREOF
   NUMBER OF SEQUENCES: 32
   CORRESPONDENCE ADDRESS:
   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          l agggngucggggaggu 16
|||| |: ||||||:
759 AGGGTGTAGGGGAGGT 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 3174 Forter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           555-669-11/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: UI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     83.88;
75.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Pred. No. 2.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 1932;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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В

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; NAME/KEY:
; LOCATION:
US-08-555-669-11
                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: 8389
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-854-3660
TELEFAX: 415-854-3694
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 2543 base pairs
TYPE: | nucleic acid
STRANDENNES: unknown
TOPOLOGY: unknown
TOPOLOGY: unknown
                                                               Query Match 83.8
Best Local Similarity 75.0
Matches 12: Conservative
                                                                                                                                                                                                       MOLECULE TYPE: CDNA FEATURE:
1 agggngucggggaggu 16
|||| |:| |||||:
523 Agggggtccgggaggt 508
                                                                                                                                                                    CDS
47..2098
                                                                                  83.8%;
                                                                                                                                                                                                                                                                                                                                                                                                          8389-030
                                                                   2; Mismatches
                                                                                  Score 13.4; DB 1;
Pred. No. 2.8e+02;
                                                                                                 Length 2543;
                                                                    Indels
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Gaps

0

Search completed: June Job time: 5859 sec 3, 2002, 22:04:38

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Page 3

RESULT 6

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nucleic

GenCore version 4.5 copyright (c) 1993 - 2000 Compugen Ltd

Run on:

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15664 15664 33529 35081 44377

Sequence 3
Sequence 3
Sequence 1
Sequence 7
Sequence 7
Sequence 6
Sequence 1

Appli Appli Appli Appli Appli Appli Appli Appli Appli Appli

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3, Appli
3, Appli
1, Appli
7, Appli
1, Appli
1, Appli
1, Appli
1, Appli
1, Appli

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Perfect score:
Sequence:
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Maximum Match
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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length:
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1: /cgn2_6/ptodata/1/
2: /cgn2_6/ptodata/1/
3: /cgn2_6/ptodata/1/
4: /cgn2_6/ptodata/1/
5: /cgn2_6/ptodata/1/
6: /cgn2_6/ptodata/1/
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 Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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/cgn2_6/ptodata/1/ina/6A_COMB.seq:*
/cgn2_6/ptodata/1/ina/6B_COMB.seq:*
/cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
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                                                        CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DCCKET NUMBER:—PF-5-30306/A/CGC1976——FELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEPHONE: 919-541-8689
INFORMATION FOR SEQ ID NO: 808:
SEQUENCE CHARACTERISTICS:
LENGTH: 725 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-998-416-808
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APPLICANT: Philip
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Wendland, Jurgen
APPLICANT: Knechtle, Philipp
APPLICANT: Rebischung, Corinne
TITLE OF INVENTION: ADDRESS:
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
            MOLECULE TYPE: I
ORIGINAL SOURCE:
ORGANISM: PAG1
                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
CITY: Re
STATE: N
COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CONTRACTOR
                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SSEE: No. 6239264artis Corporation
F: 3054 Cornwallis Road
Research Triangle Park
No. 6239264th Carolina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/08998416
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Steiner, Sabine
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                 PAG1515UP
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US-09-17-14-085-3
US-08-752-760A-1
US-08-804-128-7
US-08-804-198-7
US-09-103-840A-1
US-09-154-083-7
US-09-154-083-7
US-09-154-733-4
US-08-081-328-1
US-08-081-328-1
US-08-081-328-1
US-08-833-642A-1
US-08-833-642A-1
US-08-389-423-1
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                                                                                                            Matches
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                                                                                                                        Best Local
                                                                                                                                                                                                                                                                                  ATTORNEY AGENT INFORMATION:
NAME: Dianne Casuto
REGISTRATION NUMBER: P-40,943
REFERENCE/DOCKET NUMBER: 4952.U
TELECOMMUNICATION INFORMATION:
TELEFAX: (847)-938-3137
TELEFAX: (847)-938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match

Best Local Similarity 93.3

Matches 14; Conservative
                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 925 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,0
FILING DATE: 16-MAY-1979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                      329
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   tent No. 6060234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Kakavas, Stephan J.
TITLE OF INVENTION: AND RECOMBINANT METHODS FOR MAKING SAME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Pereda-Lopez, Ana
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                                                                     1 agggcgtcggggagg 15
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STREET: 100 Abbott Park
CITY: Abbott Park
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 60064-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
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Summers Jr., Richard
                                                                                                                                                                                          linear
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t Park Rd.
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93.3%;
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                                                                                                   Score 13.4; DB:
Pred. No. 3e+02;
0; Mismatches
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                                                                                                                             DB 3;
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3.1e+02;
                                                                                                                             Length 925;
                                                                                                     Indels
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                                                                                                                                                                                               Sequence 1, Applic Patent No. 6200813
                                                                                                                               GENERAL INFORMATION:
APPLICANT: Katz, Lo
APPLICANT: Stassi,
APPLICANT: Summers
                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
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Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
          APPLICANT: Kakavas, Stephan J.
TITLE OF INVENTION: NOVEL POLYKETIDE DERIVATIVES
TITLE OF INVENTION: AND RECOMBINANT METHODS FOR NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                   APPLICANT: APPLICANT:
                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 925 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Dianne Casuto
REGISTRATION NUMBER: P-40,9
REFERENCE/DOCKET NUMBER: 49
TELECOMMUNICATION INFORMATION:
TELEPHONE: (847)-938-3137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Katz, Leonard
APPLICANT: Stassi, Diane
APPLICANT: Summers Jr., F
APPLICANT: Ruan, Xiaoan
APPLICANT: Pereda Lopez,
APPLICANT: Kakavas, Steph
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                           329 ACGGCGTCGGGGAGG 315
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MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Kakavas, Stephan J.
TITLE OF INVENTION: NOVEL POLIKETIDE DERIVATIVES
TITLE OF INVENTION: AND RECOMBINANT METHODS FOR J
NUMBER OF SEQUENCES: 44
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   ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Abbott Park
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 60064-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET:
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                                                                                                                                                                                                             Application US/08997467
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                                                                                                                         Katz, Leonard
Stassi, Diane L.
Summers Jr., Richard G.
                                                                                               Ruan, Xiaoan
Pereda-Lopez, Ana
                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: Abbott Laboratories
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Summers Jr., Richard
Abbott Laboratories
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Pred. No. 3e+02;
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                                            MAKING
                                                                                                                                                                                                                                                                                                                                                        Indels
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US-08-997-467-1
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Best Local 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/858,003
FILING DATE: 16-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Dianne Casuto
REGISTRATION NUMBER: P-40,943
REFERENCE/DOCKET NUMBER: 4952.US.P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (847)-938-3137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS:
             COMPUTER: Power Mac
OPERATING SYSTEM: System 7.5.3
OPERARE: Microsoft Word 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,26
FILING DATE: 4/24/95
CLASSIFICATION: 4/24/95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8-424-268-7
                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                              TITLE OF INVENTION: ASSAY for IT
TITLE OF INVENTION: Transferase
NUMMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O.Box 2000
                                                                                                                                                                                                                                                                                                                                                                                                                           ENERAL INFORMATION:
                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Power Mac
                                                                                                                                                                                                                                                                                                                                                                                                                                              ent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   329 ACGCCGTCGGGAGG 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 100 Abbott Park Rd. CITY: Abbott Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 925 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/997,467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear
                                                                                                                                                                          COUNTRY: United States of America ZIP: 07065-0907
                                                                                                                                                                                                            CITY: Rahway
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 agggcgtcggggagg 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Application US/08424268
                                                                                                                                                                                                                                                                                                                                                     Omer, Charles A
Diehl, Ronald E
Gibbs, Jackson B
Kohl, Nancy E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (847)-938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                        Jackson B
                                                                                                                                                                                                                                                                                                                                      Assay for Inhibitors of Farnesyl-Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           93.3%;
                                                    US/08/424,268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 13.4; DB 4;
Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 925;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
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; ANTI-SENSE: 1
US-08-424-268-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Sim
Matches 14;
         MOLECULE TYPE:
HYPOTHETICAL: N
ANTI-SENSE: NO
PCT-US93-10442-7
                                                                                                                TELEBRAX: (908)594-3903;
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1140 base ~~
Type
                                                                                                                                                                                                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                   REFERENCE/DOCKET NUMBER: 18
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3903
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: Assay for Inhibitors of Farnesyl-Protein TITLE OF INVENTION: Transferase NUMBER OF SEQUENCES: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/96 FILING DATE: 10/30/92 ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Rahway
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: MCL. 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: United States of America ZIP: 07065-0907
                                                                                                                                                                                                                                                           REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                    TOPOLOGY:
                                                                                               STRANDEDNESS: single
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Merck & Co., Inc

Muthard, David P

35,297

18858

07/968,782

PCT/US93/10442

linear

CDNA

NO

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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (908) 594-4720 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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REFERENCE/DOCKET NUMBER: 186
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-3903
TELEPAX: ////
                                                                                                                                                                                                                                                                                       MOLECULE TYPE: cD
APPLICANT: Omer, Charles A
APPLICANT: Diehl, Ronald E
APPLICANT: Gibbs, Jackson B
APPLICANT: Kohl, Nancy E
                                                                                                                                      14 AGGGGGTCGGGGAGG
                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                     1 agggcgtcggggagg 15
                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                           nucleic acid
                                                                   Application PC/TUS9310442
                                                                                                                                                                                                                                                                                                                                                             1140 base pairs
                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                             NO
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                                                                                                                                                                                                                                                                                                                                single
                                                                                                                                                                                                           89.3%;
93.3%;
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                                                                                                                                                                                                 Mismatches
                                                                                                                                                                                                                            Length 1140;
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RESULT 8
US-07-959-941-1/c
; Sequence 1, Application US/07959941
; Patent No. 5364781
; Patent No. 5364781
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MOLECULE TYPE:
US-08-641-314C-1
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Best Local (
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/641,314C
FILING DATE: 30-APR-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: KELBER, STEVEN B.
DESCITEMATION: #1.30
                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Application US/08641314C Patent No. 5977440
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Best Local Similarity 93.3

Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 703-413-2220 INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 1301 base pair
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: KELBER, STEVEN B.
REGISTRATION NUMBER: 30,073
REFERENCE/DOCKET NUMBER: 233
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: LUTHE, DAWN S.
APPLICANT: WILLIAMS, W. P.
APPLICANT: BINGHUA, JIANG
APPLICANT: BECHAN, TIBOR
TITLE OF INVENTION: DNA MOLECULE ENCODING A 33 KD CYSTEINE
TITLE OF INVENTION: DNA MOLECULE ENCODING A 33 KD CYSTEINE
TITLE OF INVENTION: INSECT RESISTANCE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                     362 ATGGCGTCGGGGAGG
                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 703 -- 703-413-2220 TELEPHONE: 703-413-2220
                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                     1 agggcgtcggggagg 15
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CITY: ARLINGTON
STATE: VA
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STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: UZIP: 22202
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                                                                                                                                                                                                                                                                                                                                                                                    1301 base pairs
MADDURI, Krishna M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                                           linear
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                                                                                                                                                                                                                                  89.3%;
93.3%;
                                                                                                                                                    348
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93.3%;
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                                                                                                                                                                                                                Score 13.4; DB 2;
Pred. No. 2.9e+02;
0; Mismatches 1;
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Pred. No. 3e+02;
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                                                                                                                                                                                                                                               Length 1301;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                             0;
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US-08-259-924-1/c
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; LOCATION:
US-07-959-941-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Applic Patent No. 5563064
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/959,941
FILING DATE: 19921009
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 793,873
FILING DATE: 18-NOV-1991
ATTORNEY/AGENT INFORMATION.
NAME: Chin, Monica F.
REGISTRATION NUMBER: P-36,105
DEPENDENCY OF OWNERS AND POSITION P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                     APPLICANT: TORTI, FIG
APPLICANT: COLOMBO, I
TITLE OF INVENTION: I
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (202)638-4810 INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: 16
TELECOMMUNICATION INFORMATION: 1202)638-5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
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MOLECULE TYPE;
                                                                                                         COUNTRY:
ZIP: 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               583 ATGGCGTCGGGGAGG 569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                        STREET: 655 Fifte
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APPLICANT: COLOMBO, Anna L.
TITLE OF INVENTION: PROCESS FOR PREPARING DAUNORUBICIN
                                                                                                                                                                 STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                             ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: NUCLEIC ACID
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 agggcgtcggggagg 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
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                                                                                                     RY: U.S.A.
20005-5701
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20005-5701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application US/08259924
                                                                                                                                                                                                                  E: Nikaido, Marmelste
655 Fifteenth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                D.C.
                                                                                                                                                                                                                                                                                                                                                                                                       HUTCHINSON, Charles
MADDURI, Krishna M.
TORTI, Francesca
                                                                                                                                                                                                                                                                                                                                                                             COLOMBO, Anna
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1632 base pairs
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655 Fifteenth Street N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                                                                                                                                                                                                                               PROCESS FOR PREPARING DAUNORUBICIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      89.3%;
                                                                                                                                                                                                                  Marmelstein, Murray & Oram th Street N.W. Suite 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        P-36,105
ER: 1615-1816CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
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Pred. No. 2.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 1632;
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LOCATION:
US-08-259-924-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 6, Application US/07863169A
Patent No. 5420245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (202)638-4810
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 18-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 09-OCT-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
----TON NIMBER: US 793,873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Kitts, Monica C.
REGISTRATION NUMBER: 36,105
REFERENCE/DOCKET NUMBER: 1615-4003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)638-5000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Kitts, Monica C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE: 19-UAN-1S
CLASSIFICATION: 530
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/259,924
                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                    COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOSTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Reiss, Yuval
TITLE OF INVENTION: Tetrapeptide
TITLE OF INVENTION: Transferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       583 ATGGCGTCGGGGAGG 569
                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ENGTH:
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                                                                                  APPLICATION NUMBER: US/07/863,169A FILING DATE: 03-APR-1992 CLASSIFICATION: 530
                                                                                                                                                                                                                                               COUNTRY: UI
ZIP: 77210
                                                                                                                                                                                                                                                                                                                STREET:
                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
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                                                                                                                                                                                                                                                                                             Houston
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                                                                                                                                                                                                                                                                               Texas
                                                                                                                                                                                                                                                                                                            E: Arnold, White & Durkee p.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                          United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                    Brown, Michael S.
Goldstein, Joseph L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                    19-JAN-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US 07/959,941
                                                                                                                                                                                                                                                                                                                                                                                                     Tetrapeptide-Based Inhibitors of Farnesyl
                                                         US 07/822,011
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <u>..</u>
         US 07/937,893
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Pred. No. 2.9e+02;
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US-07-863-169A-6
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US-08-429-964-6
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: UT:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEPA: (713) 789-2679
TELEX: 79-0924
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION:
NAME: Parker, David L.
REGISTRATION NUMBER: 32,1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 1664 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 18-APR-1991
CLASSIFFICATION: 530
APPLICATION NUMBER: US 615,715
FILING DATE: 20-NOV-1990
CLASSIFFICATION: 530
                                                                                                                                                                                                         COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: METHODS FOR THE IDENTIFICATION OF FARNESYL TITLE OF INVENTION: TRANSFERASE INHIBITORS
NUMBER OF SEQUENCES: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: FILING DATE: 18-APPCLASSIFICATION: 53
                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 01
FILING DATE: 16-FEB-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
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STATE: TEXAS
                                                                                                                                                                APPLICATION NUMBER: US/01
FILING DATE: 27-APR-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                        COUNTRY: UI
                                                                                                                                                                                                                                                                                                                                                                 STREET:
                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                       CLASSIFICATION: 43:
APPLICATION NUMBER:
FILING DATE: ABANDO
                                                            CLASSIFICATION:
CLASSIFICATION: 43
APPLICATION NUMBER:
                         FILING DATE: 18-APR-1991
                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        un 5962243
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14; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Application US/08429964
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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JAMES, GUY L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GOLDSTEIN, JOSEPH L.
                                                                                                                                                                                                                                                                                                                  UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BROWN, MICHAEL S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
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                                                                          ABANDONED
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93.3%;
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                                                                                                                                         US 08/021,625
                                               PCT/US/91/02650
                                                                                          US 07/822,011
                                                                                                                                                                                                    US/08/429,964
   US 07/615,715
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Pred. No. 2
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FILING DATE: 20 CLASSIFICATION:

20-NOV-1990

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JS-07-935-087-6
                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION UMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:269/PAR
TELECOMMUNICATION:
TELEPONE: 512-320-7200
TELEPAX: 512-474-7577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 6
Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 07/510,706
APPLICATION NUMBER: US 07/510,706
APPLICATION 18-APR-1990 (ABANDONED)
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
RECISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:432/PAR
TELECOMMUNICATION 1RFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEFAX: (713) 789-2679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1664 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
                                                                                                                                                                                                                                                              COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION UNBER: US/07/935,087
PILING DATE: 19920824
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: REISS, YUVAL
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: THE IDENTIFICATION,
TITLE OF INVENTION: CHARACTERIZATION,
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TITLE OF INVENTION: PROTEIN TRANSFERASE
                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 77210

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pry Match 89.3%; Local Similarity 93.3%; Ches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY
                                                                                                                                                                                                                                                CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 AGGGGGTCGGGGAGG 28
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5. 6083917
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MICHAEL S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOSEPH L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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Pred. No. 2.9e+02;
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В
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RESULT 13
                                TELEX: NOT APPLICABLE INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS: LENGTH: 1664 base pairs TYPE: nucleic acid TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 89.
Best Local Similarity 93.
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                           APPLICATION NUMBER: 07/935,087
ETILING DATE: 24 AUGUST 1992 (24.08.92)
NAME: UNKNOWN
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION UNMBER: 32,165
REFERENCE/DOCKET NUMBER: UTFD377PCT
TELEPOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
ADDRESSEE: METHODS AND C
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LENGTH: 1664 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPY DISK/ASKII
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: IFILING DATE: AUGUST CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 71
CORRESPONDENCE ADDRESSE: ANNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
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ZIP: 77210
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  single
linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                UNITED STATES OF AMERICA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RACTERISTICS: REISS, YUVAL
RACTERISTICS: MARSTERS, JR.,
METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION,
CHARACTERIZATION AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FARNESYLTRANSFERASE
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                                                                                                                                                                                                                                                                                                                                                            UMBER: PCT/US93/08062
AUGUST 24, 1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              93.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.4; DB 3;
Pred. No. 2.9e+02;
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Query Match 89.3%; Best Local Similarity 93.3%; Matches 14; Conservative

Score 13.4; DB 5; Length 1664; Pred. No. 2.9e+02; 0; Mismatches 1; Indels 0

0;

Gaps

B 8

14 AGGGGGTCGGGGAGG

28

1 agggcgtcggggagg

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LANCTERISTICS:
2291 base pairs
2291 base pairs
LYPE: nucleic acid
STRANDEDNESS: single
7 TOPOLOGY: linear
7 MOLECULE TYPE: DNA
US-08-476-062A-53
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                                                                                 RESULT 15
US-08-476-062A-41/c
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US-08-476-062A-53/c
                 Sequence 41, Application US/08476062A Patent No. 5877275
GENERAL INFORMATION:
APPLICANT: Arnaout, M. Amin
                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        RILING DATE: 28-JUN-1986
RILING DATE: 28-JUN-1986
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
REFERENCE/DOCKET NUMBER: 0078
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 53, Application US/08476062A Patent No. 5877275
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APPLICANT: Arnaou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: 07/637,830
FILING DATE: 04-JAN-1991
APPLICATION NUMBER: 07/539,842
FILING DATE: 18-JUN-1990
APPLICATION NUMBER: 07/212,573
FILING DATE: 28-JUN-1988
 APPLICANT: Arnaout, TITLE OF INVENTION:
                                                                                                                                                 1109 AGGGTGTCGGGGAGG 1095
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/216,081
FILING DATE: 21-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                         TELLEFAX: ULTER 200154
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STREET: L.
STREET: MA
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CONTROLLING CELLULAR IMMUNE/INFLAMMATORY
RESPONSES WITH BETA2 INTEGRINS
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93.3%;
CONTROLLING CELLULAR IMMUNE/INFLAMMATORY
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Pred. No. 2
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Search completed: June Job time: 6032 sec
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APPLICATION NUMBER: 08/216,081

FILING DATE: 21-MAR-1994

APPLICATION NUMBER: 07/637,830

FILING DATE: 04-JAN-1991

APPLICATION NUMBER: 07/539,842

FILING DATE: 18-JUN-1990

APPLICATION NUMBER: 07/212,573

FILING DATE: 28-JUN-1988

ATTORNEY/AGENT INFORMATION:

NAME: Freeman, John M.

NAME: Freeman, John M.
                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 200154
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM: Windows95
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
ADDITORAGE
                                                                                   1133
                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 2310 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-8906
TELEPAX: 617/542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                    FEATURE
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                    NAME/KEY:
                                                                                                                                                                                                                                                                                                                     TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Freeman, John W. REGISTRATION NUMBER: 29,066
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                 2002, 22:07:31
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                                                                                                                                                                 Score 13.4; DB 2;
Pred. No. 2.8e+02;
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AAX07369
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                                                                                                                                                                 p2Y11; G protein coupled receptor; human; infection; neutropaenia;
agranulocytosis; cancer; leukaemia; diagnosis; therapy; ss.
                                                                                                                                                                                                                                      AAX07369 standard; cDNA; 2427 BP
                                                                                                                                                                                        Human P2Y11 receptor cDNA.
                                                                                                                                                                                                       07-JUN-1999
                                                                                                                                                                                                                      AAX07369;
                                                           09-JUL-1997;
                                                                                        21-JAN-1999.
                                                                                                       W09902675-A1
                                                                         09-JUL-1998;
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                                                            97EP-0870101.
                                                                         98WO-BE00108
                                                                                                                             Location/Qualifiers 40..2427
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OB; AAW97842 rotein-coupled receptor - useful for diagnosis, treatment and on neutropaenia, agranulocytosis, infection and cancer

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Boeynaems J, Communi D;

1999-120876/10.

ig 1; 46pp; English.

encodes a novel human G protein coupled receptor.

termed P2Y11 (see AAW97842), that has selective affinity for ATP. A human cDNA placenta cDNA library was screened with a human P2Y4 probe. Of 9 clones obtained, 3 corresponding to a partial sequence encoding a new 6 protein coupled receptor displaying about 30% identity with other P2Y receptors. This partial sequence was used as a probe to screen a human genomic DNA library. 4 Overlapping genomes clones were isolated. Mapping and sequencing showed the new gene contained an intron at the 5' end of the coding region. The 4 clones contained the entire open reading frame for the new receptor; designated P2Y11. The invention also provides vectors, transformed cells, anti-P2Y11 antibodies, nucleic acid probes. Pharmaceutical compositions comprising such products and transgenic animals. Antisense nucleotides (claimed) that hybridise to mRNA are used to block binding of P2Y11 to its ligand. Probes are used to block binding of P2Y11 to its ligand. in hybridisation assays to detect expression of P2Y11 at the RNA level, while antibodies are used similarly at the protein level in standard immunoassays, particularly for diagnosis of leukaemia. The transgenic animals are used to determine the effects of varying levels of P2Y11 expression. These animals, and host cells, are used in drug screening methods to identify (ant)agonists that are potentially useful for treatment or prevention of disorders associated with excessive or inadequate receptor activity, specifically neutropaemia, agranulocytosis, infections and cancer. Host cells are also used to produce recombinant P2Y11. gand. Probes are used of P2Y11 at the RNA

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Sequence 2427 BP; 464 A; 790 C; 774 G; 399 T; 0 other;

545	ctgttcccctccatcaacgt	tggtatgcatgtgaagctcatggccaccatgttccagaacctgttcccctccatcaacgt	486	Ð
cgt	ctgttcccctccatcaa	tggtatgcatgtgaagctcatggccaccatgttccagaacctgttcccctccatcaacgt	549	Qγ
cca	ctcaacagctttggccc	catgcacgagcagcagtttgcccacccaccctcttggtactcaacagctttggccccca	426	DЬ
cca	ctcaacagctttggccc	catgeacgagcagcagtttgcccacccaccccttggtactcaacagctttggccccca	489	QΥ
ecg	tecteactgegeeggea	cttccaggtgaagaagtactcgctggtgcgtgatgtggtc	366	В
ccg 488	tectcactgcgccggca	cttccaggtcaagaagtactcgctggtgcgtgatgtggtctcctcactgcgccggcaccg	429	Qy
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ıgc 368	acacacttctgatccta	gctgaaggactgcgtggcagtggctgggcccctcggggtcacacactttctgatcctagc	309 9	Qγ
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Qy	669 ccaggagctggacttccgccactatagcatcaaagttgttcctgtgggcgcgagtcgcgg 728	
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Qy	729 gatgaagaagctgctccaggagaagttccccaacatgagccgcctgcaggacatcagcga 788	
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Qу	789 gctgctggccacggggcgcggggctgtcggagagcgaggcagagcctgacggcgaccacaa 848	
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Qу	849 catcacagagetgeetcaggetgtegetggeegtggeaacatgegggeeccageagagtge 908	
Db	786 catcacagagetgcctcaggetgtcgctgtcgctggccatatgcgggcccagcagagtgc 845	
Qy	909 agtgcggctcaccgagatcggcccgcggatgacactgcagctcatcaaggtccaggaggg 968	
Db	846 agtgcggctcaccgagatcggcccgcggatgacactgcagctcatcaaggtccaggaggg 905	
Qу	969 cgtcggggagggcaaagtgatgttccacagttttgtgagcaagacggaggaggagctgca 1028	
Db	906 cgtcggggagggcaaagtgatgttccacagttttgtgagcaagacggaggaggaggagctgca 965	
Qу	1029 ggccatcctggaagccaaggagaagaagctgcggctgaaggctcagaggccaggccagca 1088	
Db	966 ggccatcetggaagccaaggagaagaagetgcggctgaaggcgcagaggcaggcccagca 1025	
Qy	1089 ggcccagaatgtgcagcgcaagcaggagcagcgggaggcccacagaaagaa	
Db	1026 ggcccagaatgtgcagcgcaagcaggagcagcgggaggcccacagaaagaa	
QУ	1149 gggcatgaagaaggcacgggtcgggggtagtgatgaagaggcctctgggatcccttcaag 1208	
Db	1086 gggcatgaagaaggcacgggtcgggggtagtgatgaagaggcctctgggatcccttcaag 1145	
Qy	1209 gacggcgagcctggagttgggtgaggacgatgatgaacaggaagatgatgacatcgagta 1268	
Db	1146 gacggcgagcctggagttgggtgaggacgatgatgaacaggaagatgatgacatcgagta 1205	
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Dp	1206 tttctgccaggcggtgggcgaggcgccagtgaggacctgttccccgaggccaagcagaa 1265	
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Db	1266 acggcttgccaagtctccagggcggaagcggtagggaaatggatcgaggtgccaa 1325	
Qу	1389 tcgcctttgtgaccagaagtttcccaagaccaaggacaagtcccagggagcccagg 1444	
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No.
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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Maximum Match 100%
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				mour suppressor 1 s:15191521, aa:A ation exception oc ce (AAE01341) show		neoplastic cell gynaecological;	cDNA.				ALIGNMENTS		
				(HTS1) protein" (-Z) curs only		<pre>; cancer; tumour; lung; cytostatic;</pre>						ine 7-trailed line 7-trailed line 7-trailed line 1 human sophila mm lectide sire fetherin lectid	DNA encoding novel

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC The invention relates to human tumour suppressor 1 (HTS1) genes, also CC referred as HPPAN and polypeptides encoded by them. The invention CC also provides hairpin ribozymes and antibodies selective for the HTS1 CC molecules, and diagnostic methods for detecting a neoplastic cell in a CC sample using detectable agents specific for HTS1 molecules. HTS1 and CC its genes are useful for detecting a neoplastic cell in a sample and CC introduced into neoplastic cells to regulate cell proliferation, and CC are thus useful as therapeutics for treating cancer. They are also used for identifying compounds that mimic or regulate the tumour suppressor activity. Such compounds are used as therapeutics to treat cancer. HTS1 sequences are used to treat both solid tumours and leukaemias. They are CC identification of neoplastic cells in solid tumours of breast, bladder, CC Colorectal, gynaecological, lung, renal cancers etc.

The present sequence is human tumour suppressor 1 (HTS1) cDNA.
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Best Local Similarity
Matches 1661; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New tumor suppressor nucleic acid molecules for detecting a neoplastic cell in a sample and for regulating cell proliferation, such as, for
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9	cttcaaggacggcgagcctggagttgggtgaggacgatgatgaacaggaagatgatgac	1201	Qy	_
20	agcctggagggcatgaagaaggcacgggtcgggggtagtgatgaagaggcctctgggatc	1141	Db	
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14	gcccagcaggcccagaatytgcagcgcaagcaggagcaggggggggcccacagaaagaa	1081	Db	
14	cccagcaggcccagaatgtgcagcgcaagcaggagcagcgggaggcccacagaaagaa	1081	Qy	
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RESULT
AAA12415
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22-SEP-1998;
04-NOV-1998;
08-APR-1999;
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                                                                                                                              The present sequence encodes a human RNA-associated protein. The expression of RNA-associated proteins is closely associated with reproductive tissues, nervous tissues, cell proliferation including cancer, inflammation and immune responses, and so they may be used for diagnosis, treatment or prevention of cell proliferative, immune/inflammatory disorders, and reproductive disorders. Diseases and disorders which may be treated include actinic keratosis, atherosclerosis, arteriosclerosis, burstitis, cirribosis, heppatitis, distribosis, heppatitis, cirribosis, heppatitis, promoctive tissue disease, myelofibrosis, paroxysomal nocturnal hemoglobinuria, polycythermia vera, psoriasis, primary thrombocythemia and cancers, and trauma.
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P-PSDB; AAY84443
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Hillman JL,
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                                                                                                                                                                                                                                                                                                                Claim 9; Page 123-124; 131pp; English.
                                                                                                     Sequence 1828 BP; 387 A; 547 C;
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98US-0158720.
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99US-0128660.
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/product= "RNA-associated protein"
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R, Lal P, F
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                                 Score 1596.2; DB 21; Length 1828; Pred. No. 9.9e-310; 0; Mismatches 18; Indels 3;
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Azimzai Y, Yue H, Yang
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25-APR-2000;
09-JUL-2000;
19-JUL-2000;
03-AUG-2000;
14-SEP-2000;
19-OCT-2000;
29-NOV-2000;
                                                                                                                                                                                          peripheral nervous system; neuropathy; central nervous system; CNS; Alzhelmer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation; leukaemia; ss.
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AAI59771
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    2000US-0488725.

2000US-0552317.

2000US-05598042.

2000US-0620312.

2000US-0653450.

2000US-065315.

2000US-065315.

2000US-0653036.
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G; 357

T; 0 other;

DB 22;

Length

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immunosuppressant and cytostatic activity. The polynucleotides are useful in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and localised neuropathies and central nervous system diseases, such as lateral sclerosis, and shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, and shy-Drager Syndrome. Other uses include the activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, c.N.S disorders.

Note: The sequence data for this patent did not form part of the printed
                          Note: The sequence specification.
   Sequence
                                                                                                                                                                                                                                       Claim
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Wang
Zhao
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DB; AAM40615.
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Wang :
Zhou
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25-APR-2000;
09-JUL-2000;
19-JUL-2000;
03-AUG-2000;
14-SEP-2000;
19-OCT-2000;
29-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAI59772;
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                                                                                                            The invention relates to human nucleic acids (AAI57798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, immunosuppressant and cytostatic activity. The polynucleotides are useful immunosuppressant and cytostatic activity. The polynucleotide are useful in gene therapy. A composition containing a polypeptide or polynucleotide in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and system, such as encorates. Alzheimer's, parkinson's disease, Huntington's disease, amyotrophic Alzheimer's, parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and shy-prager Syndrome. Other uses include the lateral sclerosis, and shy-prager Syndrome. Other uses include the lateral sclerosis, and shy-prager Syndrome. Other uses include the lateral sclerosis, and schivity, chemotactic/chemokinetic activity, haemostatic activity, haemostatic activity, haemostatic activity, cancer diagnosis and therapy, drug screening, and thrombolytic activity, cancer diagnosis and inflammation, leukaemias and assays for receptor activity, arthritis and inflammation, leukaemias and
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Wang Z,
, Zhou P,
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2000US-0552317.

2000US-05598042.

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Wehrman T, X
, Goodrich R,
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Query Match Best Local Similarity Matches 1570; Conserv

Conservative

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25-APR-2000;
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                       Claim
                                          prevention
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                                         protein-coupled receptor - useful for
ntion of neutropaenia, agranulocytosis,
                                                                            AAW97842
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                    Fig 1; 46pp;
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                                                                                                                                                                                                                                                                                                             cancer; leukaemia;
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cc as a probe to screen a human genomic DNA library. 4 Overlapping genomes clones were isolated. Mapping and sequencing showed the cower gene contained an intron at the 5' end of the coding region. The 4 clones contained the entire open reading frame for the new receptor, designated PZY11. The invention also provides vectors, comparison to the coding region. The frequency of the coding region. The frequency of the new receptor, designated PZY11. The invention also provides vectors, comparison to the coding region. The frequency of the coding for the new receptor, designated PZY11. The invention also provides vectors, comparison to the coding region of transferic antibodies. The reset of the coding of PZY11 antibodies, nucleic acid probes, are used to block binding of PZY11 to its ligand. Probes are used in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of PZY11 at the RNA code in hybridisation assays to detect expression of pzy11 at the RNA code in hybridisation assays to detect expression of telukaemia. The transpenditude is infaction of disorders associated with excessive or inadequate receptor activity of code in hybridisation code in hybridisation code is a specifically negation and cannot code is a specific all to negation and cannot code is a specific all to negation at the RNA code is a specific all to negation at the RNA code is a specific all to negation at the RNA code is a specific and the protein level in the protein level in the protein level in the prot
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          termed P2711 (see AAM97842), that has selective affinity for ATP. human cDNA placenta cDNA library whas senend with a human P274 probe. Of 9 clones obtained, 3 corresponding to a partial sequence encoding a new 6 protein coupled receptor displaying about 30%
                                                                               specifically neutropaenia, a
                                                                               agranulocytosis, infections produce recombinant P2Y11.
                                                                                                                                  infections
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Sequence 2427 BP; 464 A; 790 C; 774 G; 399 T; 0 other;

Query Match 77.4 Best Local Similarity 96.0 Matches 1321; Conservative

77.48; 96.08;

0;

Score 1288; DB 20; Pred. No. 3.7e-248; 0; Mismatches 55;

Indels Length

0;

Gaps

0,

2427;

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XX AAS8
AC AAS8
AC AAS8
AC DAS8
XX HUMA
XX DE DNA
XX HUMA
XX HOMO
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XX 11-C
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                                                                                                                chromosome mapping; gene mapping; gene therapy;
upplement; medical imaging; diagnostic; genetic
                                                                                                                                                                                                                                                  standard;
                                                                                                                                                          novel human diagnostic protein #22662
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CC polypeptide (II) sequences. (I) is useful as hybridisation probes, CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome CC and gene mapping, and in recombinant production of (II). The CC polynucleotides are also used in diagnostics as expressed sequence tags CC for identifying expressed genes. (I) is useful in gene therapy techniques CC for identifying expressed genes. (I) is useful in gene therapy techniques (CII). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful in medical CC disorders involving aberrant protein expression or biological activity. The polypeptide and polynucleotide sequences have applications in CC diagnostics, forensics, gene mapping, identification of mutations CC responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and CC and to produce other types of data and products dependent on DNA and considered the sequences of the invention.

CC Note: The sequence data for this pattent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at figure in the printed specification, but was obtained in electronic format directly from WIPO at figure in the printed specification.
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                                                                          gttgggtgaggacgatgatgaacaggaagatgatgacatcgagtatttctgccaggcggt
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                                                           GTTGGGTGAGGACGATGATGAACAGGAAGATGATGACATCGAGTATTTCTGCCAGGCGGT
                                                                                                                                 ACGGGTCGGGGGTAGTGAAGAAGGCCTCTGGGATCCCTTCAAGGACGGCGAGCCTGGA
                                                                                                                                                                                                       GCGCAAGCAGGAGCAGCGGAGGCCCACAGAAAGAAGACCCTGGAGGGCATGAAGAAGGC
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19-MAY-2000

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28-JUN-2000

07-JUL-2000

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nervous system antigen polypeptides, and/or treating nervous system

Disclosure; SEQ ID NO 7475; 1701pp + Sequence Listing; English

The invention relates to novel genes (ABA11004-ABA21534) and proteins (ABB14678-ABB18001) useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. The genes are isolated from a range of human tissues disclosed in the specification. The nucleic acids, proteins, antibodies and (ant)agonists are useful in the diagnosis, treatment and prevention of: (a) cancer, e.g. breast and ovarian cancer and other cancers of the adrenal gland, bone, bone marrow, breast, gastrointestinal tract, liver, lung, or urogenital; (b) immune disorders e.g. Addison's disease, allergies, autoimmune hemolytic anaemia, autoimmune thyroiditis, diabetes mellitus, Crohn's disease, multiple sclerosis, rheumatoid arthritis and ulcerative colitis; (c) cardiovascular disorders such as myocardial ischaemias; (d) wound healing; (e) neurological diseases e.g. cerebral anoxia and epilepsy; and (f) infectious diseases such as viral, bacterial, fungal and parasitic infectious diseases such as viral, bacterial, fungal infections.

Jgga	gaggcaggggtcgcctttgtgaccagaagtttcccaagaccaaggacaagtccca	4669	Db
999	aggcaggggtcgcctttgtgaccagaagtttcccaagacca	1379	Qy
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yaaatggat	caagcagaaacggcttgccaagtctccagggcggaagcggaagcggtgg	1319	Qy
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9909	agaaggcacgggtcgggggtagtgatgaagaggcctctggggatcccttcaaggac	4369	Db
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catcaca		3769	Db
catcacag	acgggcgcggggctgtcggagagcgaggcagagcctgacggcga	798	Qy
gth 13559; ls 319; Gaps	atch 29.6%; Score 492.6; DB 22; Leng cal Similarity 72.6%; Pred. No. 3.6e-89; 854; Conservative 0; Mismatches 4; Indel	uery M est Lo latches	X B O
ther;	ence 13559 BP; 2882 A; 3867 C; 4239 G; 2571 T; 0 ot	Sequ	SQ
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CC The invention relates to isolated polynucleotide (I) and CC polypeptide (II) sequences. (I) is useful as hybridisation probes, CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome CC and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags CC for identifying expressed genes. (I) is useful in gene therapy techniques CC to restore normal activity of (II) or to treat disease states involving CC quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical CC disorders involving aberrant protein expression or biological activity. CC The polypeptide and polynucleotide sequences have applications in CC diagnostics, forensics, gene mapping, identification of mutations CC responsible for genetic disorders or other traits to assess biodiversity and CC and to produce other types of data and products dependent on DNA and CC amino acid sequences. AAS64197-AAS94564 represent novel human
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              09-APR-2001
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receptors characteristic
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79.9%;
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lc of hematopoietic stem cells, useful for
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Pred. No. 4.2e-66;
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Matches 352
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Reinhard C,
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02-JUL-1999;
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tcgctgaaggactgcgtggcagttggctgggcccctcgggggtcacacactttctgatccta
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                                     gacgtgcggcgggtcatggagccgctcactgccagccgtctgcaggttcgtaagaagaac
                                                    gacgtgcgggcgggtcatggagcccgtcactgccagccgtctgcaggttcgtaagaagaac
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                                                                                                                                                                                                                                                                                                                                     397 BP;
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Randazzo F, Kennedy GC, Pot D,
Romanac S, Dickson M, Labat I
Ccia V, Jones LW, Strache-Crain E
                                                                                                                                                                                                                                                                 Conservative
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99US-0142311
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g cancer; cancer deta
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11-JUL-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Drosophila melanogaster
                                                                                                                                                                                                                   insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins
                                                                                                                                                                                                                                                     The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of
                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID NO 24341; 21pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                                                                       New isolated nucleic acid genes from Drosophila and
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                                                                                                                                                                   The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from at ftp.wipo.int/pub/published_pct_sequences.
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(ABB57737-ABB72072)
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2000US-0614150
                                                                                     Conservative
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Pred. No. 5.1e
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Novel human 09-APR-2001 AAF64998;

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                                                                                                                                                   gcaggcagagaaccgtgcccgcaacttgaagcttaagaagg
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RESULT 15
AAC48751
ID AAC487
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              AAC48751 standard;
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Reinhard C, F
Crkenjakov R,
                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 224 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Library of polynucleotides for diagnosing a cancerous state of mammalian cell and detecting cancer, particularly of the colon prostate, comprises 3351 human polynucleotide sequences -
                                                                                           189
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02-JUL-1999;
                                                                                                                                                                                                                                                                                                                                       Local Sim
hes 208;
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d C, Randazzo F, Kenn
kov R, Drmanac S, Dic
Garcia V, Jones LW,
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                                                                                                                                                                                                                                                                                                                                   Conservative
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99US-0142311
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            DNA;
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Kennedy GC, Pot D, Lamson G, Drmanac
Dickson M, Labat I, Leshkowitiz D;
LW, Strache-Crain B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    English.
                                                                                                                                                                                                                                                                                                                                   0;
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Pred. No. 8.9e-32;
0; Mismatches 8;
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   05-MAR-1999
09-MAR-1999
23-MAR-1999
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01-APR-1999
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06-MAY-1999
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08-UN-1999
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05-MAR-1999;
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990S-0130449
990S-0131449
990S-0132407
990S-0132408
990S-0132485
990S-0134256
990S-0134218
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990S-0134219
990S-0134219
990S-0134219
990S-0134211
990S-0135629
990S-0137522
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990S-0139441
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990S-0137522
990S-0139453
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Perfect score:
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                                                                                                                                                                                                                                                             Score
                nucleic search, using sw model
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Ribozyme binding D
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Rat GABA-BRIb rece
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	17	21	22	21	13					20	21	17	20	22	21	21	21	21	22	20	21	22	17	16	15	21	22	22	22	15	22	23	22	22	22	22
ALIGNMENTS	AAT06978	AA251785	AAA34986	AAF21108	AAQ22780	AAQ06050	AAN80863	AAS86858	AAA54361	AAX07369	AAF18260	AAT27652	AAV64854	AAI57985	AAA34987	AAA34885	AAF21109	AAF21007	AAI57986	AAV64856	AAA12415 .	AAD05991	AAT38710	AAQ94412	AAQ44395	AAC48042	AAI59772	AAI59771	AAK80258	AAQ64887	AAK80650	AAS86857	AA190687	AAL01287	AAK78496	AAD06001
	Ò	beta subu	aden	low		Sequence encoding	Sequence of cDNA c	DNA encoding novel	LFA-1 CD18 domain.	1112d	cancer ass	-beta-C		polynucled	adenosine						ው	tumour su	farnesyl	Human farnesyl pro	Farnesyltransferas	Ω				OD −	Human immune/haema	•			immune/	Human tumour suppr

ALIGNMENTS

standard; DNA; 16

ВP

AC	AAD05988;
DT	vr 31-JUL-2001 (first entry)
xx	
E	E Ribozyme binding DNA sequence of HTS1, RST 568.
XX	
7	W Human tumour suppressor 1; HTS1; HPPAN; neoplastic cell; cancer; tumour;
×	
×	
××	
4 C	Unidentified.
P	N WO200134634-A2
×	
פיי	PD 17-MAY-2001.
P# A	F 09-NOV-2000: 2000WO-US30951
×	
PR	R 12-NOV-1999; 99US-0438917.
×	
PA	A (IMMU-) IMMUSOL INC.
Id	V Welch PJ, Barber JR;
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ש)R WPI; 2001-329068/34.
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RESULT
  RESULT 4
AAV10266/c
ID AAV10266 standard; cDNA to mRNA; 2837 BP.
           AAV10266;
  XX
           03-JUN-1998 (first entry)
           Rat GABA-BR1b receptor cDNA.
  XX
  KW
KW
KW
          Gamma-animobutyric acid; GABA-BR1b receptor; rat; brain; agonist; inhibitory neurotransmitter; peripheral nervous system; antagonist; treatment; dementia; depression; anxiety; bronchial inflammation; asthma; epilepsy; cognitive function; ds.
  XX
OS
           Rattus norvegicus.
 XX
FH
FT
          Key
CDS
                                      Location/Qualifiers
228..2762
/*tag= a
 FT
FT
XX
                                       /product= GABA-BR1b
          WO9746675-A1.
 PD
XX
PF
          11-DEC-1997.
          19-MAR-1997;
                                    97WO-EP01370.
         22-NOV-1996;
30-MAY-1996;
PR
PR
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PT
                                    96US-0756091.
                                    96US-0655716.
          (NOVS ) NOVARTIS AG.
         Bettler B, Bittiger H, Froestl W, Kaupmann K, Mickel SJ;
         WPI; 1998-042183/04.
P-PSDB; AAW40118.
        Purified GABA-B receptor or receptor protein - and antagonists of these which may be useful in treating nervous system disorders % \left( 1\right) =\left\{ 1\right\} 
XX
PS
XX
        Claim 3; Page 67-74; 108pp; English.
        This cDNA sequence encodes a novel rat GABA-B receptor protein, GABA-BR1b. GABA (gamma-aminobutyric acid) is the major inhibitory
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i-917-2.rng

Page 3

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neurotransmitter found in the brain and peripheral nervous system and this receptor may be used for the identification of GABA-B receptor agonists and antagonists. Such proteins may be used in treatment of dementia, depression, anxiety, epilepsy, spasticity, GABA-B receptor ligands and probes derived from this sequence can be used to assay for GABA-B receptors or DNA encoding them.
   CC
DD
  CC
             Sequence 2837 BP; 621 A; 842 C; 764 G; 610 T; 0 other;
      Query Match
                                                                93.8%;
                                                                               Score 15; DB 19; Length 2837;
Pred. No. 4.5e+02;
2; Mismatches 1; Indels
      Best Local Similarity
                                                              81.2%;
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              1 agggngucggggaggu 16
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148 AGGGCGTCGGGGAGGT 133
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Post-processing: Minimum Match 0%
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Listing first 45 summaries
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
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es for detecting a neoplastic proliferation, such as, for								cic cell; cancer; tumour; cogical; lung; cytostatic; ce tag 568; RST 568; ds.						thermop	beta subun	aden		Sequence encoding	Segmence of cons c	LFA-1 CD18 domain.	Human P2Y11 recept	LFA-1-beta-CD28 ch	Human polynucleoti Human LFA-1 beta c	Human adenosine re	Human low adenosin	Human polynucieoti Human low adenosin	Human LFA-1 beta c	Human tumour suppr	Human farnesyl pro	Zea mays DNA fragm Farnesyltransferas	Human polynucleoti	⊐	ືສ	Human polynucieoti DNA encoding novel		Human tumour suppr

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CC The present sequence is ribozyme binding DNA sequence of HTS1, also referred as ribozyme sequence tag (RST) 568. RST 568 is present in the CC HTS1 molecule which is targeted by the ribozyme 566.
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Best Local Similarity 87.1
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human tumour suppressor 1; HTS1; HPPAN; neoplastic cell; cancer; tumour; leukaemia; breast; bladder; colorectal; gynaecological; lung; cytostatic; antiprollierative; gene therapy; ribozyme sequence tag 568; RST 568; ss.
                                                                                            New tumor suppressor nucleic acid molecules for detecting a neoplastic cell in a sample and for regulating cell proliferation, such as, for treating cancer \,\cdot\,
The invention relates to human tumour suppressor 1 (HTS1) genes, also referred as HPPAN and polypeptides encoded by them. The invention
                                                         Claim 1; Page 74; 84pp; English.
                                                                                                                                                                         WPI; 2001-329068/34.
                                                                                                                                                                                                             Welch PJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                        Unidentified.
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                                                                                                                                                                                                                                                  (IMMU-) IMMUSOL INC.
                                                                                                                                                                                                                                                                                         12-NOV-1999;
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RESULT
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Matches 16
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                                           Example 3; Page 55; 84pp; English.
                                                                           New tumor suppressor cell in a sample and treating cancer -
                                                                                                                                                                                                                                                                       09-NOV-2000; 2000WO-US30951.
                                                                                                                                                                                                                                                                                                      17-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 16 BP; 2 A; 1 C; 10 G; 2 U; 1 other;
                                                                                                                                            WPI; 2001-329068/34.
                                                                                                                                                                         Welch PJ,
                                                                                                                                                                                                      (IMMU-) IMMUSOL INC
                                                                                                                                                                                                                                        12-NOV-1999;
                                                                                                                                                                                                                                                                                                                                    WO200134634~A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           suppressor 1 (HTS1) cDNA primer #1.
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                                                                                                                                                                                                                                        9905-0438917
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/note= "This region corresponds to ribozyme (Rz)
568 sequence"
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                                                                                          nucleic acid molecules for detecting a neoplastic for regulating cell proliferation, such as, for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                93.8%;
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The invention relates to human tumour suppressor 1 (HTS1) genes, also referred as HPPAN and polypeptides encoded by them. The invention

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AAV10266/c
ID AAV102
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The present sequence is 5' RACE (rapid amplification of cDNA ends)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   are therefore used to diagnose and prognose cancer. HTS1 sequences are introduced into neoplastic cells to regulate cell proliferation, and are thus useful as therapeutics for treating cancer. They are also used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            also provides hairpin ribozymes and antibodies selective for the HTS1 molecules, and diagnostic methods for detecting a neoplastic cell in a sample using detectable agents specific for HTS1 molecules. HTS1 and its genes are useful for detecting a neoplastic cell in a sample and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CDS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rattus norvegicus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gamma-animobutyric acid; GABA-BRlb receptor; rat; brain; agonist; inhibitory neurotransmitter; peripheral nervous system; antagonist; treatment; dementia; depression; anxiety; bronchial inflammation; asthma; epilepsy; cognitive function; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    22-NOV-1996;
30-MAY-1996;
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                                                                               Claim 3; Page 67-74;
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which may
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96US-0655716
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/product= GABA-BR1b
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                                                                                                                                                                                                                                                                                                                       Froestl W,
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                                                                                  English.
                                                                                                                                         receptor protein treating nervous
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    and antagonists
    system disorders

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This cDNA sequence encodes a novel rat GABA-B receptor GABA-BR1b. GABA (gamma-aminobutyric acid) is the major

protein, inhibitory

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BP;

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1898 G;

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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   neurotransmitter found in the brain and peripheral nervous system and this receptor may be used for the identification of GABA-B receptor agonists and antagonists. Such proteins may be used in treatment of dementia, depression, anxiety, epilepsy, spasticity, bronchial inflammation or asthma or to improve cognitive function. GABA-B receptor ligands and probes derived from this sequence can
                           The present invention provides a number of human immune system associated genes which are modified by the methylation of cytosines. The sequences can be used in the diagnosis and treatment of immune system disorders, including eye diseases such as retinopathy, neovascular glaucoma and macular degeneration, arteriosclerosis, anaemia, cancer, acute myeloid leukaemia, Alzheimer's disease, ADIS, epilepsy, neurofibromatosis, rheumatoid arthritis, psoriasis and inflammatory/ulcerative bowel disease's. The present sequence is a gene of the invention.
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                                                                                                                                                                                                         Nucleic acid comprising fragment of chemically modified gene, useful for diagnosis and treatment of diseases associated with abnormal cytosine methylation \,
                                                                                                                                                                                                                                                                                                                                                                        30-JUN-2000;
01-SEP-2000;
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                                                                                                                                                                         Claim 1;
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                                                                                                                                                                            SEQ ID NO 304; 32pp + Sequence Listing; German
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2000DE-1043826.
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                                                                                                                                                                                                                                                                                                            Berlin
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Pred. No.
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  4585
                                                                                                                      The present invention provides a number of human immune system associated genes which are modified by the methylation of cytosines. The sequences can be used in the diagnosis and treatment of immune system disorders, including eye diseases such as retinopathy, neovascular glaucoma and macular degeneration, arteriosclerosis, anaemia, cancer, acute myeloid leukaemia, Alzheimer's disease, AIDS, epilepsy, neurofibromatosis, rheumatoid arthritis, psoriasis and inflammatory/ulcerative bowel diseases. The present sequence is a gene of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neuroprotective; antianaemic; cytostatic; notropic; neuroprotective; anti-HIV; anticonvulsant; ophthalmological; antiinflammator; cancer; eye disease; arteriosclerosis; anacacute myeloid leukaemia; Alzheimer's disease; AIDS; epilepsy; dener Ar
                                                                                                                                                                                                                                                      Nucleic acid comprising fragment of chemically modified gene, us for diagnosis and treatment of diseases associated with abnormal cytosine methylation .
                                                                                                      Sequence 7119
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01-SEP-2000; 2000DE-1043826
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                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                          2001WO-EP07537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first
                                                                                                      BP;
                                                                                                    1621 A; 211 C; 1983 G;
                                                          93
81
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                                                        . 28;
                                                                                                                                                                                                                                                                                                                           Berlin
                                             2.
                                                       Score
Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 15; DB
Pred. No. 4.26
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВÞ
                                                                                                                                                                                                                                 Sequence Listing;
                                             Mismatches
                                                                                                                                                                                                                                                                                                                           <u>.</u>
                                                          ŏ.
                                                                  15;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15; DB 24;
No. 4.2e+02;
                                                       4.1e+02;
                                                                   B
                                                                                                     3304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             psoriasis; bowel disease;
                                                                                                     Η:
                                                                 Length 7119;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 5379;
                                                                                                     0 other;
                                                                                                                                                                                                                                  German.
                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antiasthmatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   anaemia;
                                           0
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                                                                                                                                                                                                                                                                           useful
                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                           0
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Human lung antigen genomic DNA #190.

21-NOV-2001

(first entry)

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RESULT 8
AAS30120/c
ID AAS301
XX
AC AAS301
XX
DT 21-NOV
XX
DE Human
XX
                                                                                                                                                В
                                                                                                                                                                       Q
                                                                                                                                                                                              Query Match
Best Local S
Matches 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT
                                                                                                                                                 3477
                                                                                                                                                                                                                                                                            The present invention provides a number of human immune system associated genes which are modified by the methylation of cytosines. The sequences can be used in the diagnosis and treatment of immune system disorders, including eye diseases such as retinopathy, neovascular glaucoma and macular degeneration, arteriosclerosis, anaemia, cancer, acute myeloid leukaemia, Alzheimer's disease, ADDS, eppilepsy, neurofibromatosis, rheumatoid arthritis, psoriasis and inflammatory/ulcerative bowel diseases. The present sequence is a gene of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                            .....au comprising fragment of chemically modified gene, useful for diagnosis and treatment of diseases associated with abnormal cytosine methylation \,
                                                              AAS30120;
                                                                                   AAS30120 standard; DNA; 8280 BP
                                                                                                                                                                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                           Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01ek
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         30-JUN-2000;
01-SEP-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antiinflammatory; cancer; eye disease; arteriosclerosis;
acute myeloid leukaemia; Alzheimer's disease; AIDS; epil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     neuroprotective; anti-HIV; anticonvulsant; ophthalmological; antirheumatic; antiarthritic; antidiabetic; antipsoriatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (EPIG-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           02-JUL-2001; 2001WO-EP07537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W0200200928-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    neurofibromatosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiarteriosclerotic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human immune system associated gene SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABL34051;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABL34051 standard; DNA; 7203 BP
                                                                                                                                                           1 agggngucggggaggu 16
                                                                                                                                                agggggtcggggaggt 3492
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                                                                                                                                                                                               1 Similarity
13; Conserv
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                                                                                                                                                                                                                                                           7203
                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 2024; 32pp + Sequence Listing; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Piepenbrock C,
                                                                                                                                                                                               Conservative
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2000DE-1043826
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                                                                                                                                                                                                                                                           BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          system disease;
                                                                                                                                                                                                                                                           1291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rheumatoid arthritis; psoriasis;
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                                                                                                                                                                                                             93
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antianaemic;
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                                                                                                                                                                                                                                                           250
                                                                                                                                                                                              Score 15; DB
Pred. No. 4.1e
2; Mismatches
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                                                                                                                                                                                                                                                        2131
                                                                                                                                                                                                          15; DB 24;
No. 4.1e+02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic;
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                                                                                                                                                                                                                                                         3521
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                                                                                                                                                                                              Gaps
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14-AUG-2000
12-AUG-2000
22-AUG-2000
22-AUG-2000
22-AUG-2000
23-AUG-2000
23-AUG-2000
23-AUG-2000
23-AUG-2000
23-AUG-2000
24-AUG-2000
25-SEP-2000
25-SEP-2000
25-SEP-2000
25-SEP-2000
25-SEP-2000
25-SEP-2000
26-SEP-2000
28-SEP-2000
28-SEP-2000
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28-SEP-2000
28-SEP-2000
28-SEP-2000
28-SEP-2000
29-SEP-2000
20-SEP-2000
20-SEP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       02-AUG-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7-MAR-2000;
3-APR-2000;
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     2000US-0179065
2000US-01184664
2000US-01184664
2000US-01184664
2000US-0118974
2000US-0198123
2000US-0199123
2000US-0199123
2000US-0199123
2000US-01216486
2000US-02116486
2000US-02116486
2000US-02116480
2000US-0217496
2000US-02125451
2000US-0225251
2000US-0225266
2000US-0225266
2000US-0225266
2000US-0225266
2000US-0225266
2000US-0225266
2000US-0225277
2000US-0225266
2000US-0225277
2000US-0225277
2000US-0225277
2000US-0225277
2000US-0225277
2000US-0225759
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     17-NOV-2000;
17-NO
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14-SEP
21-SEP
25-SEP
26-SEP
26-SEP
27-SEP
27-SEP
29-SEP
20-SEP
20
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2000US-0246475.
2000US-0246475.
2000US-0246475.
2000US-0246476.
2000US-0246524.
2000US-0246526.
2000US-0246527.
2000US-0246528.
2000US-0246529.
2000US-0246611.
2000US-0246611.
2000US-0246611.
2000US-0246611.
2000US-0246611.
2000US-0246611.
2000US-024661.
2000US-0249207.
2000US-0249216.
2000US-0249216.
2000US-0249215.
2000US-0249216.
2000US-0249265.
2000US-0249265.
2000US-0249290.
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2000US-0237038
2000US-0237040
2000US-0237040
2000US-0239935
2000US-0249960
2000US-0241221
2000US-0241785
2000US-0241786
2000US-0241786
2000US-0241808
2000US-0241808
2000US-0241808
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2000US-0241808
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2000US-02349774
2000US-0234997
2000US-0234998
2000US-0235484
2000US-0235834
2000US-0235836
2000US-0235337
2000US-0236367
2000US-0236367
2000US-0236368
2000US-0236369
2000US-0236369
2000US-0236369
2000US-0236369
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2000US-0232399.
2000US-0232400.
2000US-0232401.
2000US-0233063.
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                                                                                                                                                                                                                                                                                                                                                                        CC treatment and prevention of various types of disorders in e.g. humans, and the prevention of various types of disorders in e.g. humans, and the patch of the presence of a mutation in a lung antigen polynucleotide. The treatable of disorders include autoimmune diseases such as rheumatoid arthritis, and disorders include autoimmune diseases such as rheumatoid arthritis, and disorders such as cardiac arrest, cerebrovascular cardiac arrest, cerebrovascular disorders such as cardiac arrest, cerebrovascular occular disorders such as cardiac arrest, viruses and fungi, and coular disorders such as corneal infection, endocrine disorders such as cremature labour and infertility, gastrointestinal disorders such as crepiratory disorders such as some such as glomerulonephritis and crespiratory disorders such as sathma and pleurisy. The polypeptides can also be used to aid wound healing, to prevent skin aging due to sunburn, to maintain organs before transplantation, to regenerate tissues and in chemotaxis. The polypeptides can also be used to aid wound healing, to prevent skin aging due to sunburn, to maintain organs before transplantation, to regenerate tissues and in commenced to increase or decrease storage capabilities.

Note: The sequence data for this patent did not form part of the printed capted first storage capabilities.
                                                                                                                                                                                                                                                                                                             Matches
                                                                                                                                                                                                                                                                                                                          Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-DEC-2000

05-DEC-2000

06-DEC-2000

08-DEC-2000

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08-DEC-2000

08-DEC-2000

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08-DEC-2000

08-DEC-2000
                                                                                                                                                                                     LT 9
0121/c
AAS30121
           Lung antigen protein; human; mouse; rabbit; goat; horse; cat; dog; chicken; sheep; immunosuppressive; antiarthritic; vasotropic; antirheumatic; antiproliferative; cytostatic; cardiant; neuroprotective; cerebroprotective; nootropic; antibacterial; virucide; fungicide; cancer; ophthalmological; vulnerary; gene therapy; autoimmune disease; neoplasm; hyperproliferative disorder; breast; liver; cardiovascular disorder; ds;
                                                                                                                                                                                                                                                           2187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI;
                                                                                                       Human lung antigen genomic DNA #191.
                                                                                                                                    21-NOV-2001
                                                                                                                                                               AAS30121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                respiratory
also for tes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Isolated
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HUMA-)
                                                                                                                                                                                                                                                                                                                                                                cification, but was obtained in electronic
ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  their
                                                                                                                                                                                                                                                                     agggngucggggaggu 16
                                                                                                                                                                                                                                                       AGGGGGTCGGGGAGGT 2172
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       <u>-</u>-
                                                                                                                                                                                                                                                                                                             l Similarity
13; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HUMAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              polypeptide for treating, preventing and/or prognosing ory disorders related to the lung including lung cancers testing and detection e.g. diagnosis -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antigen
                                                                                                                                                                                        standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQ ID No 384; 507pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antigen polypeptides of the invention. Lung antigen poly associated polynucleotides are useful in the diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAS29931-AAS30164 represent genomic DNA molecules,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Barash
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2000US-0256719.
2000US-0251479.
2000US-0251856.
2000US-0251868.
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2000US-0251989.
2000US-0251990.
2000US-0254097.
                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2001US-0259678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sc,
                                                                                                                                                                                        DNA; 18535
                                                                                                                                                                                                                                                                                                                          93.8%;
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 nervous system
                                                                                                                                                                                                                                                                                                            Score 15; DB Pred. No. 4e+(2; Mismatches
                                                                                                                                                                                                                                                                                                             2;
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4e+02;
                                                                                                                                                                                                                                                                                                                                     Length 8280;
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  14-AUG-2000

14-AUG-2000

14-AUG-2000

14-AUG-2000

14-AUG-2000

14-AUG-2000

22-AUG-2000

22-AUG-2000

22-AUG-2000

23-AUG-2000

30-AUG-2000

01-SEP-2000

01-SEP-2000
 08-SEP-2000

08-SEP-2000

08-SEP-2000

12-SEP-2000

14-SEP-2000

14-SEP-2000

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fungal infection; viral infection; ocular disorder; endocrine disorder; gastrointestinal disorder; renal disorder; respiratory disorder; wound healing; skin aging; organ transplantation; food preservative; tissue regeneration; anti-infertility; food additive.
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17-JAN-2001; 2001WO-US01301

31-JAN-2000; 04-FEB-2000; 24-FEB-2000; 02-MAR-2000; 2000US-0180628. 2000US-0184664. 2000US-0186350. 2000US-0179065 2000US-0180628

28-JUN-2000; 30-JUN-2000; 07-JUL-2000; 07-JUL-2000; 11-JUL-2000; 16-MAR-2000; 17-MAR-2000; 18-APR-2000; 19-MAY-2000; 07-JUN-2000; 28-JUN-2000; 2000US-0217496. 2000US-0218290. 2000US-0220963. 2000US-0220964. 2000US-0224518. 2000US-0216880 2000US-0217487 2000US-0215135 2000US-0216647

26-JUL-2000; 14-AUG-2000; 14-AUG-2000; 14-AUG-2000; 14-AUG-2000; 14-AUG-2000; 14-AUG-2000; 14-AUG-2000; 2000US-0225513 2000US-0225214 2000US-0225266 2000US-0225266 2000US-0225270 2000US-0225277 2000US-0225757 2000US-0225757 2000US-0226681 2000US-0226681 2000US-0226681 2000US-02268924 2000US-0229344 2000US-0229344 2000US-0229344 2000US-0229344 2000US-0229344 2000US-0231244 2000US-0231243 2000US-0231243 2000US-02314413 2000US-02314401 2000US-02333643

29-SEP-2000;

29-SEP-2000;

2000US-0236367 2000US-0236368

29-SEP-2000; 29-SEP-2000; 02-OCT-2000; 02-OCT-2000;

2000US-0236802. 2000US-0237037. 2000US-0237038. 2000US-0237039. 2000US-0237040.

25-SEP-2000; 26-SEP-2000; 27-SEP-2000;

2000US-0235484. 2000US-0235834. 2000US-0235836. 2000US-0236327.

25-SEP-2000;

2000US-0234223. 2000US-0234274. 2000US-0234997.

02-OCT-2000) 02-OCT-2000) 02-OCT-2000) 13-OCT-2000) 13-OCT-2000) 20-OCT-2000) 20-OCT-2000) 20-OCT-2000)

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ax Sequences Ans29931-AAS30164 represent genomic DNA molecules, which encode cc the lung antigen polypeptides of the invention. Lung antigen polypeptides cc and their associated polynucleotides are useful in the diagnosis, cc treatment and prevention of various types of disorders in e.g. humans, cc treatment and prevention of various types of disorders in e.g. humans, cc mice, riabbits, goats, horses, cats, dogs, chickens or sheep. A cc mice, riabbits, goats, horses, cats, dogs, chickens or sheep. A cc mice, riabbits, goats, horses, cats, dogs, chickens or sheep. A cc matching the presence or pathological condition can be determined by detecting the presence or cc disorders include autoimmune diseases such as rheumatoid arthritis, cc disorders include autoimmune diseases such as rheumatoid arthritis, cc disorders such as cardiac arrest, cerebrovascular cc disorders such as cardiac arrest, cerebrovascular cc disorders such as cardiac arrest, cerebrovascular such as cardiac arrest, viruses and fungi, cc disorders such as corneal infection, endocrine disorders such as country disorders such as corneal infection, endocrine disorders such as cc premature labour and infertility, gastrointestinal disorders such as cc premature labour and infertility gastrointestinal disorders such as cc premature disorders such as asthma and pleurisy. The polypeptides can cc anistal organs before transplantation, to regenerate tissues and in cc to maintain organs before transplantation, to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be used as a food additive or chemotaxis. The polypeptides can also be considered t
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11-DEC-2000;
05-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Isolated polypeptide for treating, preventing and/or prognosing respiratory disorders related to the lung including lung cancers also for testing and detection e.g. diagnosis \dot{}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10108
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                                                                                                                                                                                                                      Human tumour suppressor 1; HTS1; HPPAN; neoplastic cell; cancer; tumour; leukaemia; breast; bladder; colorectal; gynaecological; lung; cytostatic; antiproliferative; gene therapy; ss.
                                                                                                                                                                                                                                                                                                   Human | tumour suppressor 1 (HTS1) cDNA fragment.
                                                                                                                                                                                                                                                                                                                                                31-JUL-2001
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                                                         09-NOV-2000; 2000WO-US30951
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                       12-NOV-1999;
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13; Conserv
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; 2000US-0254097.
; 2001US-0259678.
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                                                                                                                                                                                                                                                                                                                                                (first entry)
                         99US-0438917
                                                                                                                                                                                                                                                                                                                                                                                                                               cDNA; 15
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pred. No. 3.7e+02;
2; Mismatches 1;
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2000US-0246475. 2000US-0246476. 2000US-0246477.

2000US-0246474.

2000US-0246478. 2000US-0246523.

20-OCT-2000; 20-OCT-2000; 20-OCT-2000; 20-OCT-2000; 20-OCT-2000; 01-NOV-2000; 08-NOV-2000;

2000US-0239935. 2000US-0239937. 2000US-0241921. 2000US-0241785. 2000US-0241787. 2000US-0241787. 2000US-0241808. 2000US-0241808. 2000US-0241826. 2000US-0241826.

08-NOV-2000; 08-NOV-2000;

2000US-0246526.

17-NOV-2000; 17-NOV-2000; 17-NOV-2000; 17-NOV-2000; 17-NOV-2000;

-0249211.

17-NOV-2000;

2000US-0246613 2000US-0246611 2000US-0246609 2000US-0246532. 2000US-0246527 2000US-0246525. 2000US-0246524.

000US-0246610

2000us-0249207

17-NOV-2000; 17-NOV-2000; 17-NOV-2000; 17-NOV-2000; 17-NOV-2000; 17-NOV-2000; 17-NOV-2000;

2000US-0249215. 2000US-0249216. 2000US-0249213 2000US-0249212 2000US-0249210. 000US-0249209

2000US-0249264 2000US-0249265 2000US-0249297 2000US-0249299 2000US-0249299 2000US-0249299 2000US-0250160 2000US-0250391

2000US-0249218. 2000US-0249244. 2000US-0249245.

17-NOV-2000;
17-NOV-2000;
17-NOV-2000;
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17-NOV-2000;
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17-NOV-2000;
17-NOV-2000;
01-DEC-2000;
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06-DEC-2000;
08-DEC-2000;
08-DEC-2000;
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08-DEC-2000;
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2000US-0251030. 2000US-0251988. 2000US-0256719. 2000US-0251479. 2000US-0251479. 2000US-0251856. 2000US-0251868.

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Matches 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to human tumour suppressor 1 (HTS1) genes, also creferred as HPPAN and polypeptides encoded by them. The invention also provides hairpin ribozymes and antibodies selective for the HTS1 molecules, and diagnostic methods for detecting a neoplastic cell in a city genes are useful for detecting a neoplastic cell in a sample using detectable agents specific for HTS1 molecules. HTS1 and care therefore used to diagnose and prognose cancer. HTS1 sequences are care thus useful as therapeutics for treating cancer. They are also used activity. Such compounds that mimic or regulate cell proliferation, and careful sused in gene therapy. The diagnostic the tumour suppressor sequences are used as therapeutics to treat cancer. HTS1 sequences. They are consecuted in gene therapy. The diagnostic methods are useful for colorectal, gynaecological, lung, renal cancers etc.

CC The present sequence is human tumour suppressor 1 (HTS1) cDNA fragment. CC HTS1 when the sequence is human tumour suppressor 1 (HTS1) cDNA fragment.
                                          31-JAN-2000;
04-FEB-2000;
24-FEB-2000;
02-MAR-2000;
16-MAR-2000;
17-MAR-2000;
18-APR-2000;
19-MAY-2000;
                                                                                                                                                                                                                    17-JAN-2001; 2001WO-US01354
                                                                                                                                                                                                                                                                                                                                                                    Human; immune; haematopoietic; immune/haematopoietic antigen; cancer; cytostatic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                                                                                                                 09-AUG-2001
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                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                            Human immune/haematopoietic antigen genomic sequence SEQ ID NO:33308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAK78496 standard; DNA; 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAK78496;
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nes 13; Conservative
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                  2000US-0179065.
2000US-0180628.
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2000US-019076.
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2000US-019513.
2000US-0205515.
2000US-0209467.
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Pred. No. 2e+03;
l; Mismatches
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2000US-0232397
2000US-0232399
2000US-0232400
2000US-0233064
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2000US-0234274
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2000US-0240960.
2000US-0241221.
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2000US-0226681

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                                                                                                                                                                                         Rosen
AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I) amino acid sequences given in AAM82170 to AAM91921. (I) have cytostatic activity, and can be used in gene therapy and vaccine production. (I) proteins and polynucleotides may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate (I) expression. For example, they may be used to treat disorders associated with decreased
                                                                                                                     Nucleic acids encoding useful for preventing, metactacic -
                                                                                                                                                                                                                  (HUMA-) HUMAN
                                                                                      Disclosure; SEQ ID NO 33308;
                                                                                                               metastasis
                                                                                                                                                                  2001-483426/52.
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2000US-0241787.

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2000US-0254097.
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                                                                                                                                                                                                                    GENOME SCI INC
                                                                                                                              human immune/hematopoietic antigen polypeptides, diagnosing and/or treating cancers and
                                                                                                                                                                                               Ruben
                                                                                                                                                                                                SM;
                                                                                          3071pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  555555555555555
                  RESULT 12
AAL01287/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Qy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                               31-JAN-2000;
04-FEB-2000;
24-FEB-2000;
02-MAR-2000;
16-MAR-2000;
17-MAR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAL01287;
                                                                                                                                                                                                                                  19-MAY-2000;
07-JUN-2000;
28-JUN-2000;
30-JUN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-NOV-2001
                 14 - AUG - 2000;

14 - AUG - 2000;
                                                                                                                               26-JUL-2000;
26-JUL-2000;
14-AUG-2000;
                                                                                                                                                                     11-JUL-2000;
11-JUL-2000;
14-JUL-2000;
                                                                                                                                                                                                                                                                                                                                                                                       17-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                               02-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human;
                                                                                                                                                                                                           07-JUL-2000;
07-JUL-2000;
                                                                                                                                                                                                                                                                                     18-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     514
                    2000US-0205515.
2000US-0214886
2000US-021488647.
2000US-0215135.
2000US-0216847.
2000US-0216847.
2000US-0217496.
2000US-0218290.
2000US-0220964.
2000US-0224518.
2000US-0225214.
2000US-0225214.
2000US-0225216.
2000US-0225216.
2000US-0225266.
2000US-0225266.
2000US-0225276.
2000US-0225276.
2000US-0225276.
2000US-0225276.
2000US-0225276.
2000US-0225276.
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2001WO-US01339

2000US-0184664 2000US-0186350 2000US-0180628

2000US-0190076 2000US-0198123 2000US-0189874

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expression by rectifying mutations or deletions in a patient's genome that affect the activity of (I) by expressing inactive proteins or to supplement the patients own production of (I). Additionally, (I) supplement the patients own production of (I) Additionally, (I) polymorphism into a host cell and culturing the cell to express the protein, (I) proteins and polymorphism and be used to prevent, protein, (I) proteins and polymorphism and be used to prevent, diagnose and treat immune/haematopoietic-related diseases, especially cancers and cancer metastases of haematopoietic-derived cells. AAK64703 cancers and cancer metastases of haematopoietic antigen genomic to AAK879494 represent human immune/haematopoietic antigen genomic sequences from the present invention. AAK54942 to AAK54950 and AAM82169 represent sequences used in the exemplification of the present invention.
BP; 121 A; 83 C; 137 G; 173 T; 0 other;
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AAL01287 standard; cDNA; 539
                                                                  Human reproductive system related antigen cDNA SEQ
                                                                                                                                                                                481 agggagtcggggagg
WO200155320-A2
                                                                                                                                                                                            1 aģggngucggggagg
|||| |:|||||||
                    sapiens.
                                                                                                                                                                                                                          Similarity
13; Conserv
                                                reproductive system related antigen; reproductive system disorder;
                                      gene
                                                                                                                                                                                                                           Conservative
                                                                                           (first entry)
                                         therapy;
                                                                                                                                                                                       495
                                                                                                                                                                                                                                       87.5%;
                                                                                                                                                                                                          15
                                                                                                                                                                                                                                        Score
Pred.
                                                                                                                                     ВÞ
                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                         14;
No.
                                                                                                                                                                                                                              DB 22;
1.4e+03;
1;
                                                                                                                                                                                                                                                    Length 514;
                                                                                                                                                                                                                                   Indels
                                                                            ID NO:
                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                    Gaps
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2000US-0225758 2000US-0225759 2000US-0226661 2000US-0226668 2000US-0226668 2000US-0227182 2000US-0229343 2000US-0229344 2000US-0229344 2000US-0229345 2000US-0229345 2000US-0229345 2000US-0229343 2000US-0229513 2000US-0230437 2000US-0231244 2000US-0231244 2000US-0231244 2000US-0231244 2000US-0231413 2000US-0231413 2000US-0231414 2000US-0231414 2000US-0231414 2000US-0231416 2000US-0231416 2000US-0231416 2000US-0231416 2000US-0231416 2000US-0231416 2000US-0231468 2000US-0231468 2000US-0231968 2000US-023398

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RESULT 13

AAI90687/C

ID AAI90687;

XX

AC AAI90687;

XX

DT 06-NOV-20
                                                                                                                                              B
                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 86.7
Matches 13; Conservative
   06-NOV-2001
                                  AAI90687;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08 NOV - 2000;
08 NOV - 2000;
18 NOV - 2000;
17 NOV - 2000;
18 DEC - 2000;
08 DEC - 2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 200
P-PSDB;
                                                                                                                                                                                                                                                                                                         The present invention provides the protein and coding sequences commber of human reproductive system related antigens. These can hin the prevention and treatment of reproductive system disorders, including cancer. The present sequence is a coding sequence of the invention.
                                                                                                                                                                                                                                                                               Sequence 539
                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 1288;
                                                                                                                                                                                                                                                                                                                                                                                                                             Isolated nucleic acid mis used in preventing,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rosen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (HUMA-) HUMAN
                                                                                                                                            20
                                                                                                                                                      1 agggngucggggagg
                                                                                                                                     AGGGTGTCGGGGAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2001-465570/50.
DB; AAM95317.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CA,
                                                              standard;
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Barash SC,
                                                                                                                                                                                                                                                                             B₽;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2000US-0246610
2000US-0246611
2000US-0246611
2000US-0249207
2000US-0249210
2000US-0249210
2000US-0249211
2000US-0249213
2000US-0249214
2000US-0249214
2000US-0249215
2000US-0249216
2000US-0249216
2000US-0249217
2000US-0249218
2000US-0249218
2000US-0249214
2000US-0249214
2000US-0249264
2000US-0249264
2000US-0249264
2000US-0249264
2000US-0249264
2000US-0249264
2000US-0249264
2000US-0250160
2000US-0250160
2000US-02511866
2000US-02511866
2000US-0251989
2000US-0251990
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2000US-0251990
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2000US-0251990
2000US-0251990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENOME
                                                                                                                                                                                                                                                                          134 A;
                                                            CDNA;
                                                                                                                                                                                                             87.5%;
86.7%;
                                                                                                                                                                 15
                                                                                                                                                                                                                                                                                                                                                                                                                           f molecule e
f, treating
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                                                                                                                                                                                                                                                                           137
                                                          567
                                                                                                                                                                                                                                                                                                                                                                                              1297pp +
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                                                            ₿P.
                                                                                                                                                                                          Score 14; DB 22;
Pred. No. 1.4e+03;
1; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SM;
                                                                                                                                                                                                                                                                          138
                                                                                                                                                                                                                                                                                                                                                                                                                   encoding a reproductive system antigen governments or ameliorating a medical condition
                                                                                                                                                                                                                                                                                                                                                                                      Sequence Listing; English.
                                                                                                                                                                                                                                                                        G;
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                                                                                                                                                                                                                                                                       7
                                                                                                                                                                                                                                                                     other;
                                                                                                                                                                                                                      Length
                                                                                                                                                                                           Indels
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                                                                                                                                                                                       Gaps
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used
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14-AUG-2000)
18-AUG-2000)
22-AUG-2000)
22-AUG-2000)
22-AUG-2000)
23-AUG-2000)
30-AUG-2000)
01-SEP-2000)
01-SEP-2000)
01-SEP-2000)
05-SEP-2000)
06-SEP-2000)
08-SEP-2000)
08-SEP-2000)
08-SEP-2000)
14-SEP-2000)
16-SEP-2000)
16-SEP-2000)
17-SEP-2000)
18-SEP-2000)
19-SEP-2000)
19-SE

2000US-023399 2000US-023400 2000US-023400 2000US-0233063 2000US-023499 2000US-023499 2000US-023583 2000US-023583 2000US-023583 2000US-023583 2000US-023583 2000US-023536 2000US-023537 2000US-023537 2000US-023537 2000US-023537 2000US-0237039 2000US-0237039 2000US-0237039 2000US-0237039 2000US-0237039 2000US-0237039 2000US-0237039 2000US-0237039 2000US-0241785 2000US-0241785 2000US-0241785 2000US-0246474 2000US-0246474 2000US-0246475 2000US-0246476 2000US-0246476 2000US-0246478 2000US-0246478 2000US-0246478 2000US-0246478 2000US-0246478 2000US-0246478 2000US-0246478 2000US-0246678 2000US-0246678 2000US-0246678 2000US-0246678 2000US-0246678 2000US-0246678 2000US-0246678 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528 2000US-0246528

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PR XXX
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AAS86857
ID AAS868
XX
AC AAS868
XX
DT 13-FEB
DT 13-FEB
DX
DE DNA en
XX
HUMBAD;
KW HUMBAD;
KW HOMO S
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                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; cytokine; cell proliferation; cell differentiation; gene therapy; vaccine; peptide therapy; stem cell growth factor; haematopoiesis; tissue growth factor; immunomodulatory; cancer; leukaemia; nervous system disorders; arthritis; inflammation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to human polynucleotides (AAI79941-AAI93841) and the encoded proteins (AA000010-AA013910) that exhibit activity elating to cytokine, cell proliferation or cell differentiation or which may induce production of other cytokines in other cell populations. The polynucleotides and polypeptides are useful in gene therapy, vaccines or peptide therapy. The polypeptides have various cytokine-like activities, e.g. stem cell growth factor activity, haematopoiesis regulating activity, tissue growth factor activity, immunomodulatory activity and activity inhibin activity and may be useful in the diagnosis and/or treatment of cancer, leukaemia, nervous system disorders, arthritis and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28-FEB-2000; 2000US-0515126.
18-MAY-2000; 2000US-0577409.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200164835-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 1; SEQ ID NO 10747; 1399pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Isolated nucleic acids and polypeptides, useful for preventing diagnosing and treating e.g. leukaemia, inflammation and immun
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tang YT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-FEB-2001; 2001WO-US04927.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                        Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P-PSDB; AAO10756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 567
                                                                                                                                                                               AAS86857 standard; cDNA; 580 BP
                                Human; chromosome mapping; gene mapping; gene therapy; forensic;
food supplement; medical imaging; diagnostic; genetic disorder; ss
                                                                                  DNA encoding
                                                                                                                 13-FEB-2002
                                                                                                                                                AAS86857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inflammation.
                                                                                                                                                                                                                                                               323 AGGGGGTCGGGGAGG 309
                                                                                                                                                                                                                                                                                1 agggngucggggagg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2001-514838/56
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                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                BP;
                                                                                                                 (first entry)
                                                                                 novel human diagnostic protein #22661
                                                                                                                                                                                                                                                                                                                                                                                                                115 A; 134 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Drmanac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ
                                                                                                                                                                                                                                                                                                                                                  87.5%;
86.7%;
                                                                                                                                                                                                                                                                                                 15
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                                                                                                                                                                                                                                                                                                                                  1;
                                                                                                                                                                                                                                                                                                                                                  Score 14; DB 22;
Pred. No. 1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                 135 G;
                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                   151 T;
                                                                                                                                                                                                                                                                                                                                                                                                                   32 other;
                                                                                                                                                                                                                                                                                                                                                                 Length 567;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1mmune
                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                       0;
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AAK80650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cc and gené mapping, and in recombinant production of (II). The complete the same also used in diagnostics as expressed sequence tags cc polynucleotides are also used in diagnostics as expressed sequence tags cc for identifying expressed genes. (I) is useful in gene therapy techniques (II) (II) is useful in gene therapy techniques (II). (II) is useful for generating antibodies against it, detecting or cc quantitating a polypeptide in tissue, as molecular weight markers and as (I) a food supplement. (II) and its binding partners are useful in medical cimaging of sites expressing (II). (I) and (II) are useful for treating cc disorders involving aberrant protein expression or biological activity. (I) and the polypeptide and polynucleotide sequences have applications in cc diagnostics, forensics, gene mapping, identification of mutations can be produce other types of data and products dependent on DNA and cc and to produce other types of data and products dependent on DNA and cd diagnostic coding sequences of the invention.

Cc Note: The sequence data for this patent did not appear in the printed cc specification, but was obtained in electronic format directly from WIPO at the produces.
                                                                                                                                                                                                                                                                                                                                                                                               밁
RESULT 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local S
Matches | 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 200
P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-MAR-2000;
23-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11-OCT-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200175067-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-MAR-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        polypeptide (II) sequences. (I) is useful as mypridisation process, polymerase chain reaction (PCR) primers, oligomers, and for chromosome polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       biodiversity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequençe
                                                                                                                                                                                    07-NOV-2001
                                                                                                                                                                                                                            AAK80650;
                                                                                                                                                                                                                                                                           AAK80650 standard; DNA; 1121
                                                             Human; immur
cytostatic;
                                                                                                                                     Human
                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                               71
                                                                                                                                                                                                                                                                                                                                                                                                                     1 agggngucggggagg 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2001-639362/73
                                                                                                                                                                                                                                                                                                                                                                                               agggcgtcggggagg
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13;
                                                                                                                                   'immune/haematopoietic antigen genomic sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABG22670.
                                                             immune; haematopoietic; immune/haematopoietic antigen; cancer;
itic; gene therapy; vaccine; metastasis; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID No 22661; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2000US-0540217.
2000US-0649167.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          relates to isolated polynucleotide (I) and II) sequences. (I) is useful as hybridisation probes.
                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   87.5%;
86.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; 143 C;
                                                                                                                                                                                                                                                                                                                                                                                                    85
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 14;
Pred. No.
                                                                                                                                                                                                                                                                                  ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               200 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 88 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.4e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 580;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                 SEQ ID NO:35462.
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Qy

0;

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17-MAR-2000;
18-APR-2000;
19-MAY-2000;
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14-AUG-2000;
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24-SEP-2000;
25-SEP-2000;
26-SEP-2000;
27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                          AAK54951 to AAK64702 encode the human immune/haematopoietic antigen (I) activity, and can be used in gene therapy and vaccine production. (I) proteins and polynucleotides may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate (I) expression. For example, they may be used to treat disorders associated with decreased expression by rectifying mutations or deletions in a patient's genome that affect the activity of (I) by expressing inactive proteins or to supplement the patients own production of (I). Additionally, (I) polynucleotides may be used to produce the secreted (I), by inserting the nucleic acids into a host cell and culturing the cell to express the content of the nucleic acids into a host cell and culturing the cell to express the content of the nucleic acids into a host cell and culturing the cell to express the content of the nucleic acids into a host cell and culturing the cell to AK64703 cancers and cancer metastasses of haematopoietic-derived cells. AAK64703
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                                                                                                                                                                                                                                                                                            Sequence 1121 BP; 252 A; 275 C; 305 G; 289 T; 0 other;
                                                                                                                                                                                                                                                                                                                                to AAK87694 represent human immune/haematopoietic antigen genomic sequences from the present invention. AAK54942 to AAK54950 and AAM82169 represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 35462; 3071pp + Sequence Listing; English.
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86.7%;
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                                                                                                                                                                                       Score 14; DB 22;
Pred. No. 1.3e+03;
1; Mismatches 1
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/product= GABA-BR1b
XX
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            WO9746675-A1.
XX
PD
XX
           11-DEC-1997.
PF
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PR
           19-MAR-1997;
                                               97WO-EP01370.
            22-NOV-1996;
                                               96US-0756091.
PR
XX
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            30-MAY-1996;
                                                96US-0655716.
            (NOVS ) NOVARTIS AG.
XX
PI
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DR
DR
           Bettler B, ~ Bittiger H, Froestl W, Kaupmann K, Mickel SJ;
           WPI; 1998-042183/04.
P-PSDB; AAW40118.
           Purified GABA-B receptor or receptor protein - and antagonists of these which may be useful in treating nervous system disorders
XX
PS
XX
CC
CC
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CC
           Claim 3; Page 67-74; 108pp; English.
           This cDNA sequence encodes a novel rat GABA-B receptor protein, GABA-BRlb. GABA (gamma-aminobutyric acid) is the major inhibitory neurotransmitter found in the brain and peripheral nervous system and this receptor may be used for the identification of GABA-B receptor agonists and antagonists. Such proteins may be used in treatment of dementia, depression, anxiety, epilepsy, spasticity, bronchial inflammation or asthma or to improve cognitive function. GABA-B receptor ligands and probes derived from this sequence can be used to assay for GABA-B receptors or DNA encoding them.
            Sequence 2837 BP; 621 A; 842 C; 764 G; 610 T; 0 other;
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Query Match 100.0%; Score 15; DB 19; Length 2837;

Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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RESULT
 AAX07369
 ID
       AAX07369 standard; cDNA; 2427 BP.
       AAX07369;
DT
       07-JUN-1999 (first entry)
DE
XX
       Human P2Y11 receptor cDNA.
      P2Y11; G protein coupled receptor; human; infection; neutropaenia; agranulocytosis; cancer; leukaemia; diagnosis; therapy; ss.
KW
XX
OS
XX
FH
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FT
XX
PN
       Homo sapiens.
                            Location/Qualifiers
                             40..2427
                             /*tag= a
       WO9902675-A1.
XX
      21-JAN-1999.
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09-JUL-1998;
                                                                                             98WO-BE00108
                       09-JUL-1997;
                                                                                            97EP-0870101.
XX
PA
                        (EURO-) EUROSCREEN SA.
XX
PI
XX
DR
DR
                       Boeynaems J, Communi D;
                       WPI; 1999-120876/10.
                       P-PSDB; AAW97842.
New G protein-coupled receptor - useful for diagnosis, treatment and prevention of neutropaenia, agranulocytosis, infection and cancer
                       Claim 11; Fig 1; 46pp; English.
                    Claim 11; Fig 1; 46pp; English.

This cDNA clone encodes a novel human G protein coupled receptor, termed P2Y11 (see AAW97842), that has selective affinity for ATP. A human cDNA placenta cDNA library was screened with a human P2Y4 probe. Of 9 clones obtained, 3 corresponding to a partial sequence encoding a new G protein coupled receptor displaying about 30% identity with other P2Y receptors. This partial sequence was used as a probe to screen a human genomic DNA library. 4 Overlapping genomes clones were isolated. Mapping and sequencing showed the new gene contained an intron at the 5' end of the coding region. The 4 clones contained the entire open reading frame for the new receptor, designated P2Y11. The invention also provides vectors, transformed cells, anti-P2Y11 antibodies, nucleic acid probes, pharmaceutical compositions comprising such products and transgenic animals. Antisense nucleotides (claimed)—that—hybridise to mRNA—are—used—to—decrease activity of P2Y11, while specific antibodies are used to block binding of P2Y11 to its ligand. Probes are used in hybridisation assays to detect expression of P2Y11 at the RNA level, while antibodies are used similarly at the protein level in standard immunoassays, particularly for diagnosis of leukaemia. The transgenic animals are used to determine the effects of varying levels of P2Y11 expression. These animals, and host cells, are used in drug screening methods to identify (ant)agonists that are potentially useful for treatment or prevention of disorders associated with excessive or inadequate receptor activity, specifically neutropaenia, agranulocytosis, infections and cancer. Host cells are also used to produce recombinant P2Y11.
CC CC CC CC CC CC XX S0
                       specifically neutropaenia, agranulocytosis, infections and cancer. Host cells are also used to produce recombinant P2Y11.
                        Sequence 2427 BP; 464 A; 790 C; 774 G; 399 T; 0 other;
                                                                                                                     100.0%; Score 15; DB 20; Length 2427; 100.0%; Pred. No. 3.5e+02; Live 0; Mismatches 0; Indels 0
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Matches 15; Conservative
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		μ.				Human immune/haema	Ö		Human ovarian carc	•			3	0		3	2 strain SB5	SB	strain	SYS	Tumour suppressor	Human cardiac CG1	old	AYS DNA		SOX4 coding sequen	Human tumour suppr	Ribozyme binding k		Human nervous syst	Drosophila meranog	Human Illinute ayace	THE I	Human Immune Syste	1000000	DNA encoding novel

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AAD06001
                                                                                                                                                                                                                                                                                                   AAD06001 standard; cDNA; 15 BP
                                                                                                                                                                                              Human tumour suppressor 1; HTS1; HPPAN; neoplastic cell; cancer; tumour; leukaemia; breast; bladder; colorectal; gynaecological; lung; cytostatic; antiproliferative; gene therapy; ss.
                                                                                                                                                                                                                                      Human tumour suppressor 1 (HTS1) cDNA fragment.
                                                                                                                                                                                                                                                                                 AAD06001;
                                                                                                                                                                                                                                                            31-JuL-2001 (first entry)
                                                                                                               09-NÓV-2000; 2000WO-US30951
                                                                                                                                                         WO200134634-A2
                                                                                                                                     17-мау-2001.
                                                                                                                                                                              Homo
New tumor suppressor nucleic acid molecules for detecting a neoplastic cell in a sample and for regulating cell proliferation, such as, for
                                WPI; 2001-329068/34.
                                                     Welch
                                                                                             12-NÓV-1999;
                                                                        (IMMU-) IMMUSOL INC.
                                                                                                                                                                            sapiens.
                                                      рJ,
                                                       Barber JR;
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cancer

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RESULT
AAS86857
ID AAS8
XX AAS8
AC AAS8
XX AS8
AC AAS8
XX DE DNA
XX Hume
KW Foot
XX Home
XX W Som
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to human tumour suppressor 1 (HTS1) genes, also creferred as HPPAN and polypeptides encoded by them. The invention also provides hairpin ribozymes and antibodies selective for the HTS1 and electures, and diagnostic methods for detecting a neoplastic cell in a city genes are useful for detecting a neoplastic cell in a city genes are useful for detecting a neoplastic cell in a sample and companies and propose cancer. HTS1 sequences are thus useful as therapeutics for treating cancer. They are also used care thus useful as therapeutics for treating cancer. They are also used for identifying compounds that minic or regulate the tumour suppressor sequences are used as therapeutics to treat cancer. HTS1 sequences. They are consequences are used to treat both solid tumours and leukaemias. They are identification of neoplastic cells in solid tumours of breast, bladder, colorectal, gynaecological, lung, renal cancers etc.

CC The present sequence is human tumour suppressor 1 (HTS1) cDNA fragment. CC HTS1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local :
            Claim 1;
                                  New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutation responsible for genetic disorders or other traits and to assess biodiversity
                                                                                                                                                                                                          31-MAR-2000; 2000US-0540217
23-AUG-2000; 2000US-0649167
                                                                                                                                                                                                                                                                                 11-0CT-2001.
                                                                                                                                                                                (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                30-MAR-2001; 2001WO-US08631.
                                                                                                                                                                                                                                                                                                             WO200175067-A2
                                                                                                                                                                                                                                                                                                                                                       Human; chromosome mapping; gene mapping; gene therapy; forensic;
food supplement; medical imaging; diagnostic; genetic disorder; sa.
                                                                                                                                                                                                                                                                                                                                                                                                   DNA encoding novel human diagnostic protein #22661.
                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAS86857;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAS86857 standard; cDNA; 580 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 agggcgtcggggagg 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                           2001-639362/73.
DB; ABG22670.
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                                                                                                                                                     RT,
            SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             l Similarity
15; Conserv
          D
                                                                                                                                                   Liu C,
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   22661; 103pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             84pp; English.
                                                                                                                                                 Tang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%;
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                                                                                                                                                   YT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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ches 0;
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                                                         mutations
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RESULT 3
AAI59771/c
ID AAI597
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CC polypeptide (II) sequences. (I) is useful as hybridisation probes, cc polymerase chain reaction (PCR) primers, oligomers, and for chromosome CC and gene mapping, and in recombinant production of (II). The CC and gene mapping, and in recombinant production of (II). The CC and gene mapping, and in recombinant production of (II). The CC are store normal activity of (II) or to treat disease states involving CC (II), (II) is useful for generating antibodies against it, detecting or CC quantitating a polypeptide in tissue, as molecular weight markers and as CC imaging of sites expressing (II). (I) and (II) are useful in medical CC disorders involving aberrant protein expression or biological activity. CC diagnostics, forensics, gene mapping, identification of mutations CC responsible for genetic disorders or other traits to assess biodiversity amino acid sequences. ARS64197-ARS94564 represent novel human CC Note: The sequence data for this patent did not appear in the printed after when were observed the sequence for this patent did not appear in the printed after when were observed the sequences of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                     19-JUL-2000;
03-AUG-2000;
14-SEP-2000;
19-OCT-2000;
29-NOV-2000;
        Tang YT,
Wang J,
Zhao QA,
                                                                                                                                                          21-JAN-2000;
25-APR-2000;
09-JUL-2000;
                                                             (HYSE-)
                                                                                                                                                                                                             26-DEC-2000; 2000WO-US34263
                                                                                                                                                                                                                                                                   WO200153312-A1
                                                                                                                                                                                                                                                                                                                                          numan; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; cNS; anzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinshic, thromboliticia.
                                                                                                                                                                                                                                          26-JUL-2001.
                                                                                                                                                                                                                                                                                                                      chemokinetic; thrombolytic;
leukaemia; ss.
                                                                                                                                                                                                                                                                                                                                                                                   Human; nootropic; immunosuppressant; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                Human polynucleotide SEQ ID NO 3760.
                                                                                                                                                                                                                                                                                                                                                                                                                                            22-OCT-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAI59771 standard; cDNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAI59771;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 580 BP; 149 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    71 agggcgtcggggagg
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       Liu C,
Wang Z,
Zhou P,
                                                             HYSEQ INC
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                                                                                    2000US-0488725.
2000US-0553317.
2000US-0558042.
2000US-0620312.
2000US-063450.
2000US-0653450.
2000US-0653191.
2000US-0693036.
2000US-0727344.
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ilarity 100.0%;
Conservative (
    Asundi V, Ch
Wehrman T, X
Goodrich R,
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                Chen R,
                                                                                                                                                                                                                                                                                                                             drug screening; arthritis; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0,
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Pred. No. 4.2e+02;
); Mismatches 0;
    len R, Ma
(u C, Xue
Drmanac R
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Y,
e AJ,
RT;
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             Qian XB,
Yang Y,
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             Zhang J;
                           Ren F,
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AAI59772/c
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Best Local :
                                                            09-JUL-
19-JUL-
03-AUG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, drug screening, and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and localised neuropathies and central nervous system diseases, such as Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic
                                     14-SEP-
19-OCT-
                                                                                                                                                                                                                                                     Human; nootropic; immunosuppressant; cytostatic; gene therapy; cance peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation;
                                                                                                                                                                                                                                                                                                                                                             22-OCT-2001
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                                                                                                  21-JAN-2000;
25-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                    AAI59772;
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(HYSE-) HYSEQ INC
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                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                             Leukaemia;
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DB; AAM40615.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1;
                                                                                                                                                                                                                                                                                                                                    polynucleotide
                                     -2000;
-2000;
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-2000;
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                     2000US-0488725.
2000US-0552317.
2000US-05598042.
2000US-0620312.
2000US-0620312.
2000US-0662191.
2000US-066319306.
2000US-0727344.
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                                                                                                                                         2000WO-US34263
                                                                                                                                                                                                                                                                                                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          247 A;
                                                                                                                                                                                                                                                                                                                                    SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            687
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for this patent did not form part of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 system injuries
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Pred. No.
                                                                                                                                                                                                                                                                                                                                  3761.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          357 T; 0 other;
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and localised neuropathies and central nervous system disease, such as Alzheiner's, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, Chemotactic/Chemotkinetic activity, haemostatic and thrombolytic activity.
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Wang
Zhao
                                                                                                                                           CDS
                                                                                                                                                                                             leukaemia; breast; bladd
antiproliferative; gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and thrombolytic activity, cancer diagnosis and therapy, assays for receptor activity, arthritis and inflammation,
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                   09-NOV-2000; 2000WO-US30951
                                          17-MAY-2001.
                                                               WO200134634-A2
                                                                                                                                                                           Homo
                                                                                                                                                                                                                    Human tumour suppressor 1; HTS1; HPPAN;
                                                                                                                                                                                                                                                                31-JUL-2001
                                                                                                                                                                                                                                                                                      AAD05991;
                                                                                                                                                                                                                                                                                                           AAD05991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       specification.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P-PSDB;
                                                                                                                                                                                                                                           Human
                                                                                                                                                                                                                                                                                                                                                               701
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           invention relates to human nucleic acids (AAI57798-AAI61369) and encoded polypeptides (AAM38642-AAM42213) with nootropic,
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DB; AAM40616.
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                                                                                                                                                                                                                                           tumour
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15; Conserv
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Wang Z,
Zhou P,
                                                                                                                                                                                                                                                                                                          standard; cDNA; 1664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1591 BP;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence
                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; ilarity 100.0%; Conservative
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                                                                                                                                                                                                                                          suppressor 1 (HTS1)
                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NO
                                                                                  /product= "Human tumour suppressor 1 (HTS1) protein"
/trans1_except= (pos:1519..1521, aa:A-2)
/note= "This translation exception occurs only
decoding the sequence (AAE01341) shown in figure 7"
                                                                                                                                        Location/Qualifiers 103..1524
                                                                                                                              /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and cytostatic activity. The polynucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Asundi V,
Wehrman T,
                                                                                                                                                                                                          bladder;
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                                                                                                                                                                                                                                                                                                                                                                                     15
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                                                                                                                                ш
                                                                                                                                                                                              therapy;
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                                                                                                                                                                                               colorectal; rapy; ss.
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                                                                                                                                                                                                                                                                                                           ВP
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    injuries
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ε ΑJ,
RT;
                                                                                                                                                                                                       neoplastic cell; cancer; tumour;
gynaecological; lung; cytostatic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  did
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s 0;
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Yang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for
                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        therapy, drug screening, lammation, leukaemias and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                form part
                                                                                                                                                                                                                                                                                                                                                                                                                              Length 1591;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             treating
                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ren F,
Zhang
                                                                                                                                                                                                          lung; cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  of the printed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             disorders
                                                                                                                                                                                                                                                                                                                                                                                                            0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     are useful
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                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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12-NOV-1999;

99US-0438917

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RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CC The invention relates to human tumour suppressor 1 (HTS1) genes, also CC referred as HPPAN and polypeptides encoded by them. The invention CC also provides hairpin ribozymes and antibodies selective for the HTS1 CC molecules, and diagnostic methods for detecting a neoplastic cell in a cc sample using detectable agents specific for HTS1 molecules. HTS1 and CC its genes are useful for detecting a neoplastic cell in a sample and CC are therefore used to diagnose and prognose cancer. HTS1 sequences are cc introduced into neoplastic cells to regulate cell proliferation, and are thus useful as therapeutics for treating cancer. They are also used for identifying compounds that mimic or regulate the tumour suppressor activity. Such compounds are used as therapeutics to treat cancer. HTS1 csquences are used to treat both solid tumours and leukaemias. They are class oused in gene therapy. The diagnostic methods are useful for CC identification of neoplastic cells in solid tumours of breast, bladder, CC colorectal, gynaecological, lung, renal cancers etc.

The present sequence is human tumour suppressor 1 (HTS1) cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                  Human; RNA-associated protein; cell proliferation; cancer; inflammation; limmune response; reproductive disorder; actinic keratosis; atherosclerosis; arteriosclerosis; bursitis; cirrhosis; hepatitis; mixed connective tissue disease; myelofibrosis; primary thrombocythemia; paroxysomal nocturnal hemoglobinuria; polycythermia vera; psoriasis;
                                                                                                                       CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cell
               17-SEP-1999;
                                        23-MAR-2000
                                                                  WO200015799-A2
                                                                                                                                                              Homo sapiens
                                                                                                                                                                                         trauma;
                                                                                                                                                                                                                                                                                   cDNA encoding
                                                                                                                                                                                                                                                                                                               25-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                   AAA12415 standard; cDNA; 1828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1664 BP; 371 A; 492 C; 548 G; 253 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 3; Fig 6; 84pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Welch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (IMMU-) IMMUSOL INC
                                                                                                                                                                                                                                                                                                                                                                                                                                       965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 agggcgtcggggagg
                                                                                                                                                                                                                                                                                                                                                                                             σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 tumor suppressor nucleic acid molecules for detecting a neoplastic
lin a sample and for regulating cell proliferation, such as, for
ating cancer .
                                                                                                                                                                                                                                                                                                                                                                                                                                   agggcgtcggggagg
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DB; AAE01341, AAE01350.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                   D
               99WO-US21688
                                                                                                                                                                                                                                                                                     human
                                                                                                                      89..1507
                                                                                           'product= "RNA-associated protein"
                                                                                                         /*tag=
                                                                                                                                    location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                     979
                                                                                                                                                                                                                                                                                                                                                                                                                                                               15
                                                                                                                                                                                                                                                                                   RNA-associated protein.
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                                                                                                                                                                                                                                                                                                                                                                   ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15; DB 22; Pred. No. 3.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
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Q
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RESULT
AAI57986
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
21-JAN-2000;
25-APR-2000;
09-JUL-2000;
19-JUL-2000;
03-AUG-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               expression of RNA-associated proteins is closely associated with reproductive tissues, nervous tissues, cell proliferation including cancer, inflammation and immune responses, and so they may be used for diagnosis, treatment or prevention of cell proliferative, immune/inflammatory disorders, and reproductive disorders. Diseases and disorders which may be treated include actinic keratosis, atherosclerosis, arteriosclerosis, bursitis, cirrhosis, hepatitis, mixed connective tissue disease, myelofibrosis, paroxysomal nocturna hemoglobinuria, polycythermia vera, psoriasis, primary thrombocythem and cancers, and tranma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-SEP-1998;
22-SEP-1998;
04-NOV-1998;
08-APR-1999;
                                                                                                                                                                                                                   Human; nootropic; immunosuppressant; cytostatic; gene therapy; cance peripheral nervous system; neuropathy; central nervous system; CNS; Alzhelmer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New polypeptides and polynucleotides, useful treating a disorder associated with increased of RNA associated proteins -
                                                                                   26-DEC-2000;
                                                                                                                                        WO200153312-A1
                                                                                                                                                                                                                                                                                                                                                AAI57986;
                                                                                                                                                                                                                                                                                                                                                                          AAI57986 standard; cDNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1828 BP; 387 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tang YT,
                                                                                                              26-JUL-2001
                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                         chemokinetic;
                                                                                                                                                                                                                                                                                                                     22-OCT-2001
                                                                                                                                                                                                                                                                                          Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (INCY-) INCYTE PHARM
                                                                                                                                                                                              leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                        948 agggcgtcggggagg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
hes 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 agggcgtcggggagg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cancers, and trauma.
                                                                                                                                                                                                                                                                                          polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ı JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Page 123-124; 131pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Corley NC,
                                                                                                                                                                                              SS
 2000US-0488725.
2000US-0552317.
2000US-0598042.
2000US-0620312.
2000US-0653450.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                                                   2000WO-US34263
                                                                                                                                                                                                           thrombolytic; drug
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98US-0156039.
98US-0158720.
98US-0186815.
99US-0128660.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%;
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                                                                                                                                                                                                                                                                                          IJ
                                                                                                                                                                                                                                                                                                                                                                          2240 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    547 C;
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                                                                                                                                                                                                                                                                                           NO 189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                           screening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , Gorgone GA, I
Azimzai Y, Yue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    287 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ₽B
                                                                                                                                                                                                         arthritis; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 d or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patterson
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 preventing decreased (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 1828;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nocturnal
                                                                                                                                                                                                                                                  cancer;
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AAIT57985
ID AAI5
XX AAI5
XX AAI5
XX AAI5
XX Huma
XX AIZh
XX Homo
XX WO20
XX WO20
XX YO20
PD 26-J
XX 21-J
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Best Local Similarity 100.0%;
Matches 15; Conservative
21-JAN-2000; 2000US-0488725
                                                                                                                                                                                     Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  system, such as peripheral nervous injuries, peripheral nervous localised neuropathies and central nervous system diseases, such as Alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic lateral scierosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, Activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and c.N.S disorders.
                                         26-DEC-2000; 2000WO-US34263
                                                                                           26-JUL-2001
                                                                                                                                                                                                                                                    chemokinetic;
                                                                                                                                                                                                                                                                  Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemottatic; chemotratic than the control of t
                                                                                                                                       WO200153312-A1
                                                                                                                                                                                                                              Leukaemia; ss
                                                                                                                                                                                                                                                                                                                                                                                       Human polynucleotide SEQ ID NO 188.
                                                                                                                                                                                                                                                                                                                                                                                                                                         22-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAI57985;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAI57985 standard; cDNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to human nucleic acids (AAI57798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, immunosuppressant and cytostatic activity. The polynucleotides are useful in gene therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tang YT,
Wang J,
Zhao QA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-SEP-2000;
19-OCT-2000;
29-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel nucleic acids and such as central nervous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-442253/47.
P-PSDB; AAM38830.
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                                                                                                                                                                                     sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Liu C,
Wang Z,
Zhou P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 189; 10078pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; 2000US-0662191.
; 2000US-0693036.
; 2000US-0727344.
                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                    thrombolytic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Asundi V, Chewehrman T, Xu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      480 A; 636 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and polypeptides, useful vous system injuries -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  973
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                                                                                                                                                                                                                                               drug
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Xu C, Xue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    751 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BB
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Yang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 2240;
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                                                                                                                                                                                                                                                                chemotactic;
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                                                                                                                                                                                                                                             inflammation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wang
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                                                                                                                                                                                                  AAX07369
                                                                                                                                                                                                              RESULT
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                                                                                                                                                                                                                                                                                           Query Match
Best Local
                                               CDS
                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to human nucleic acids (AAI57798-AAI61369) and the encoded polypeptides (AAM38642-AAM42213) with nootropic, immunosippressant and cytostatic activity. The polynucleotides are useful in gene! therapy. A composition containing a polypeptide or polynucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral neuropathy and localised neuropathies and central nervous system diseases, such as lateral sclerosis, and shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, and thrombolytic activity, chemotactic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and thematy, drug screening, assess of the contractivity and influences.
                 WO9902675-A1.
                                                                             Homo
                                                                                               agranulocytosis;
                                                                                                          P2Y11;
                                                                                                                            Human P2Y11 receptor cDNA
                                                                                                                                                  07-JUN-1'999
                                                                                                                                                                     AAX07369;
                                                                                                                                                                                       AAX07369
                                                                                                                                                                                                                                                                                                                                                            C.N.S disorders.
Note: The sequence data
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19-OCT-2000;
29-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25-APR-2000;
09-JUL-2000;
19-JUL-2000;
03-AUG-2000;
                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI;
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Wang
                                                                                                                                                                                                                                                                                                                                                        specification.
                                                                                                                                                                                                                                                                                                                                                                                      assays
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   such as
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                                                                          sapiens
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DB; AAM38829.
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                                                                                                          <u>ດ</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acids and polypeptides, useful as central nervous system injuries -
                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                    for receptor activity, arthritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Liu C,
Wang Z,
Zhou P,
                                                                                                        protein
                                                                                                                                                                                       standard; cDNA; 2427
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                                                                                                                                                                                                                                                                                                                                   2300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 188; 10078pp; English.
                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                               (first
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2000US-0552317.
2000US-0598042.
2000US-0620312.
2000US-0653450.
2000US-0662191.
2000US-0662193.
2000US-0727344.
                                                                                                                                                                                                                                                                                                                                   BP; 495 A;
                                             Location/Qualifiers 40..2427
                                                                                              coupled cancer;
                                    /*tag=
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Wehrman T,
Goodrich F
                                                                                                                                             entry)
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                                                                                                                                                                                                                                                                                                                                                              for this patent
                                                                                              receptor; human; infection;
leukaemia; diagnosis; thera
                                                                                                                                                                                                                                                                                                                                 647 C;
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Xu C,
                                                                                                                                                                                       ВP
                                                                                                                                                                                                                                                                                          Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                 774
                                                                                                                                                                                                                                                                                  Mismatches
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                                                                                             diagnosis;
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Xue AJ,
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                                                                                                                                                                                                                                                                                                                                                               not form
                                                                                                                                                                                                                                                                                                                                                                                 inflammation,
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Yang Y,
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                                                                                                                                                                                                                                                                                 0,
                                                                                            therapy;
                                                                                                                                                                                                                                                                                                                                 other;
                                                                                                                                                                                                                                                                                                   Length 2300;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         treating
                                                                                                                                                                                                                                                                                Indels
                                                                                             neutropaenia;
py; ss.
                                                                                                                                                                                                                                                                                                                                                              part of the printed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ren F, V
Zhang J;
                                                                                                                                                                                                                                                                                                                                                                                   leukaemias and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disorders
                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Wang
                                                                                                                                                                                                                                                                             Gaps
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21-JAN-1999.

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RESULT 10
AAS86858/C
ID AAS868
XX AAS868
XX AAS868
XX DNA en
XX DNA en
XX Human;
KW Homo s
XX Homo s
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                                                                                                                                                                                                                                                                                                                                                                                                                                       latches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   transformed cells, anti-P2Y11 antibodies, nucleic acid probes, pharmaceutical compositions comprising such products and transgenic animals. Antisense nucleotides (claimed) that hybridise to mRNA are used to decrease activity of P2Y11, while specific antibodies are used to block binding of P2Y11 to its ligand. Probes are used in hybridisation assays to detect expression of P2Y11 at the RNA level, while antibodies are used similarly at the protein level in standard immunoassays, particularly for diagnosis of leukaemia. The transgenic animals are used to determine the effects of varying levels of P2Y11 expression. These animals, and host cells, are used in drug screening methods to identify (ant)agonists that are potentially useful for treatment or prevention of disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This cDNA clone encodes a novel human G protein coupled receptor, termed P2Y11 (see ANM97842), that has selective affinity for ATP. A human CDNA placenta cDNA library was screened with a human P2Y4 probe. Of 9 clones obtained, 3 corresponding to a partial sequence encoding a new G protein coupled receptor displaying about 30% identity with other P2Y receptors. This partial sequence was used as a probe to screen a human genomic DNA library. 4 Overlapping genomes clones were isolated. Mapping and sequencing showed the new gene contained an intron at the 5' end of the coding region. The 4 clones contained the entire open reading frame for the new receptor, designated P2Y11. The invention also provides vectors, transformed cells, anti-P2Y11 antibodies, nucleic acid probes, the property is a problem of the coding region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-120876/10.
P-PSDB; AAW97842.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 11; Fig 1; 46pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New G protein-coupled receptor - useful for diagnosis, prevention of neutropaenia, agranulocytosis, infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (EURO-) EUROSCREEN SA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2427 BP; 464 A; 790 C; 774 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         associated with excessive or inadequate receptor activity
                                                                                                Human; chromosome mapping; gene mapping; gene therapy; forensic
food supplement; medical imaging; diagnostic; genetic disorder;
                                                                                                                                                DNA encoding novel human diagnostic protein #22662
                                                                                                                                                                                                                               AAS86858;
                                                                                                                                                                                                                                                                 AAS86858 standard; cDNA; 2732 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         specifically neutropaenia,
                   WO200175067-A2
                                                                                                                                                                                       13-FEB-2002
                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                902
                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                            cells are also used
                                                                                            supplement;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%;
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                                                                                                                                                                                                                                                                                                                                                                916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a, agranulocytosis, infections to produce recombinant P2Y11
                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15; DB 20;
Pred. No. 3.5e+02;
; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      399 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             infections
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 2427;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          treatment and and cancer
                                                                                                                      forensic;
                                                                                                                                                                                                                                                                                                                                                                                                                                               0
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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The invention relates to isolated polynucleotide (I) and colypeptide (II) sequences. (I) is useful as hybridisation probes, cc polymerase chain reaction (PCR) primers, oligomers, and for chromosome cc and gene mapping, and in recombinant production of (II). The colypeptides are also used in diagnostics as expressed sequence tags cfor identifying expressed genes. (I) is useful in gene therapy techniques (II). (II) is useful for generating antibodies against it, detecting or cy (II). (II) is useful for generating antibodies against it, detecting or cy (II). (II) is useful for generating antibodies against it, detecting or cy (II). (II) is useful for generating antibodies against it, detecting or cy (II). (II) is useful for generating antibodies against it, detecting or cy (II). (II) is useful for generating antibodies against it, detecting or cy (II). (II) and (II) are useful in medical and its binding partners are useful in medical colypeptide and polynucleotide sequences have applications in cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II) and (II) are useful for treating cy (II). (II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID No
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-639362/73.
P-PSDB; ABG22671.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31-MAR-2000; 2000US-0540217
23-AUG-2000; 2000US-0649167
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                                                            at ftp.wipo.int/pub/published_pct_sequences.
2732 BP; 511 A; 782 C; 774 G; 665 T; 0 other:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22662; 103pp; English
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RESULT 11
AAV10266/c
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                                                 рЬ
                                                                                          Query Match
Best Local Similarity
Matches 15; Conserv
AAV10266 standard; cDNA to mRNA; 2837 BP
                                                   693 AGGGCGTCGGGGAGG
                                                             1 agggcgtcggggggg 15
                                                                                          Conservative
                                                                                                     100.0%;
                                                    679
                                                                                            0;
                                                                                                     Score 15;
Pred. No.
                                                                                            Mismatches
                                                                                                      3.5e+02;
                                                                                                                DB 23;
                                                                                                                Length 2732;
                                                                                              Indels
                                                                                              0
                                                                                              Gaps
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Sequence

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FH XXX
                                                  Gamma-animobutyric acid; GABA-BRIb receptor; rat; brain; agonist; inhibitory neurotransmitter; peripheral nervous system; antagonist; treatment; dementia; depression; anxiety; bronchial inflammation; appliepsy; cognitive function; ds.
Key
                                                                                                               Rat GABA-BR1b receptor cDNA.
                                                                                                                                        03-JUN-1998
                         Rattus norvegicus
                                                 epilepsy;
                                                                                                                                                                  AAV10266;
                                                                                                                                          (first entry)
   Location/Qualifiers
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asthma;

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XX CCCCCCCCCCXXX
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Best Local S
Matches 15
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                                                                                                                    Human; immune system disease; cytosine methylation; antiasthmatic; antiarteriosclerotic; antianaemic; cytostatic; nootropic; neuroprotective; anti-HIV; anticonvulsant; ophthalmological, antirheumatic; antiarthritic; antidiabetic; antipsoriatic; antiinflammatory; cancer; eye disease; arteriosclerosis; anaemia; acute myeloid leukaemia; Alzhelmer's disease; AIDS; epilepsy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This CDNA sequence encodes a novel rat GABA-B receptor protein, GABA-BRLb. GABA (gamma-aminobutyric acid) is the major inhibitory neurotransmitter found in the brain and peripheral nervous system and this receptor may be used for the identification of GABA-B receptor agonists and antagonists. Such proteins may be used in treatment of dementia, depression, anxiety, epilepsy, spasticity, bronchial inflammation or asthma or to improve cognitive function. GABA-B receptor ligands and probes derived from this sequence can
02-JUL-2001; 2001WO-EP07537
                          03-JAN-2002
                                                  WO200200928-A2
                                                                         Homo sapiens.
                                                                                                   gene;
                                                                                                            neurofibromatosis;
                                                                                                                                                                                                             Human immune system associated gene SEQ
                                                                                                                                                                                                                                        26-MAR-2002
                                                                                                                                                                                                                                                                 ABL32331;
                                                                                                                                                                                                                                                                                       ABL32331 standard; DNA; 5379 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2837 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Purified GABA-B receptor or receptor protein - and antagonists these which may be useful in treating nervous system disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-NOV-1996;
30-MAY-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-MAR-1997;
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                                                                                                                                                                                                                                                                                                                                                        148
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                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity
nes 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                     1 agggcgtcggggggg 15
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DB; AAW40118.
                                                                                                                                                                                                                                                                                                                                                       AGGGCGTCGGGGAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to assay
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Page 67-74; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bittiger H,
                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for
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96US-0655716
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /product= GABA-BR1b
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   621 A; 842 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GABA-B receptors or DNA encoding them
                                                                                                             rheumatoid arthritis;
                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%;
                                                                                                                                                                                                                                                                                                                                                       134
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                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                  Score 15;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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                                                                                                         pase; AIDS; epilepsy;
psoriasis; bowel disease;
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         Claim
                                           New isolated nucleic genes from Drosophila
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11-JUL-2000; 2000US-0614150
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                                                                                                                                                                                                                                         Drosophila melanogaster
                                                                                                                                                                                                                                                               pharmaceutical;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention provides a number of human immune system associated genes which are modified by the methylation of cytosines. The sequences can be used in the diagnosis and treatment of immune system disorders, including eye in the diagnosis are tinopathy, neovascular glaucoma and including eye diseases such as retinopathy, neovascular glaucoma and
                                                                                                                                                                                                                                                                           Drosophila;
                                                                                                                                                                                                                                                                                              Drosophila melanogaster genomic polynucleotide SEQ ID NO
                                                                                                                                                                                                                                                                                                                       26-MAR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5379 BP; 845 A; 491 C; 1898 G;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim
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2000DE-1043826.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neuroprotective; anti-HIV; anticonvulsant; ophthalmological; antirheumatic; antiarthritic; antidiabetic; antipsoriatic; antiinflammatory; cancer; eye disease; arteriosclerosis; and acute myeloid leukaemia; Alzheimer's disease; AIDS; epilepsy neurofibromatosis; rheumatoid arthritis; psoriasis; bowel di
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                           genes which are modified by the methylation of cytosines. The sequences can be used in the diagnosis and treatment of immune system disorders, including eye diseases such as retinopathy, neovascular glaucoma and macular degeneration, arteriosclerosis, anaemia, cancer, acute myeloid leukaemia, Alzheimer's disease, AIDS, epilepsy, neurofibromatosis,
                                                                                                                                                                                                                                                               Claim 1;
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                                                                                                                                                                                                                                                                                                                                                             Nucleic acid comprising fragment of chemically modified for diagnosis and treatment of diseases associated with
rheumatoid arthritis,
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